Ref. Nr. 150.568

WI-PAR 198 LED RGB BATTERY

2.4GHZ DMX

MANUAL

Thank you for purchasing our company products.
Please read these instructions carefully to enjoy optimum performance and a longer service life before
you start to use.

CONTENTS

UNPACKING INSPECTIONS

Unpacking instructions

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

Checking the contents of the carton:

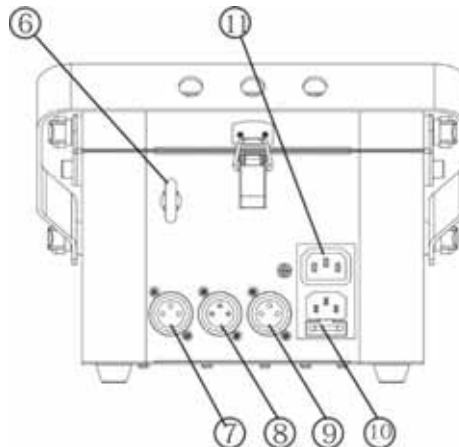The product, Power cord, Instruction Manual, Remoter

SAFETY INSTRUCTIONS

- Safety and regulatory power socket with high quality output should be used .
- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Never put tiny metal objects such as a screwdriver, iron wire and coins, etc. into the internal or stretch into the machine in case of short circuit .
- Please make sure to connect the proper voltage and do not higher or lower than that stated on the decal or rear panel of the product .
- Avoid hitting, crashing or squeezing with other objects in transportation. Never carry the product from the power cord or any moving part . Always use the hanging / mounting bracket or the handles.
- The product is used in door only .
- 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 is sparks when connecting with the power plug .
- Can not operate product with wet hands and never place it near the water or other liquid.
- Make sure there are no flammable materials close to the fixture while operating . Always install it in a location with adequate ventilation.
- Never replace the lighting source with different specification and rating when the original one is damaged.
- Make sure to power off before replacing the light source or the fuse. Never do it while it is on.
- The ambient temperature is no more than 40°C(104°F) .
- Never clean the fixture by water, thinner or other dissolved agent .
- Stop using the product in case of a serious operating problem and send it to our maintenance agent immediately. Never repair by non-professional workers .
- Avoid direct eye exposure to the light source while the product is on.

PRODUCT OVERVIEW
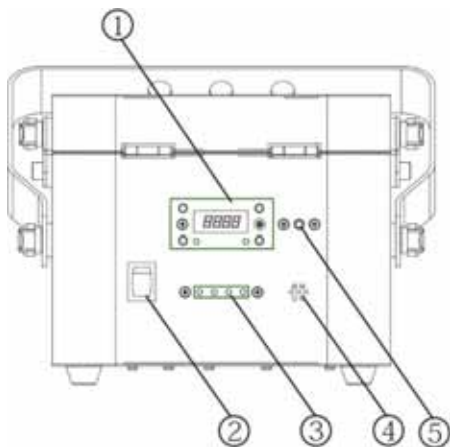
1. Control Panel
2. Power on/off
3. Battery indicator
4. Microphone
5. Auto Search
6. Safety Eyebolt
7. Master/Slave signal output

8. DMX signal input
9. DMX signal output
10. Power input
11. Power output
12. Antenna
13. LEDs
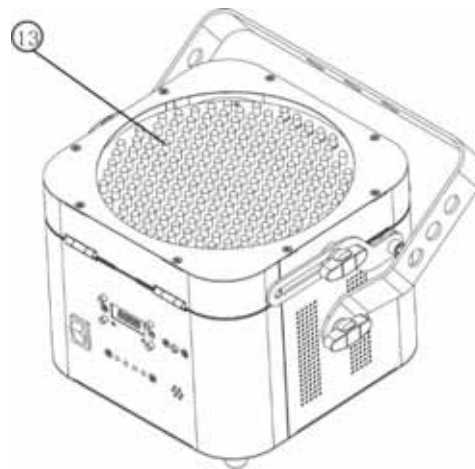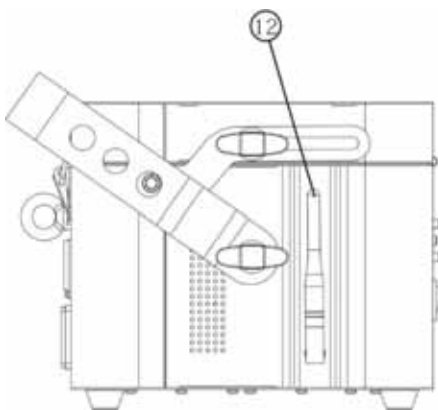
FUNCTIONS INTRODUCTIONS

Main Functions

- 3 or 4 DMX channels
- Automatic, sound active and master/slave mode
- Built-in 23 actions, run speed and strobe speed can be adjusted
- With static colors, strobe, dimmer, color mixing and changing effects
- IR Remote control
- Can receive and transmit signal wirelessly

Operation Instructions

Power supply connecting

Two sockets in the product, Power In and Power Out , the product can be supplied power by the power out. Maximum output power of the socket is 480W .

POWER IN

POWER OUT

Maximum connecting machines are 22 units with the same model

NO.1   NO.2   NO.3
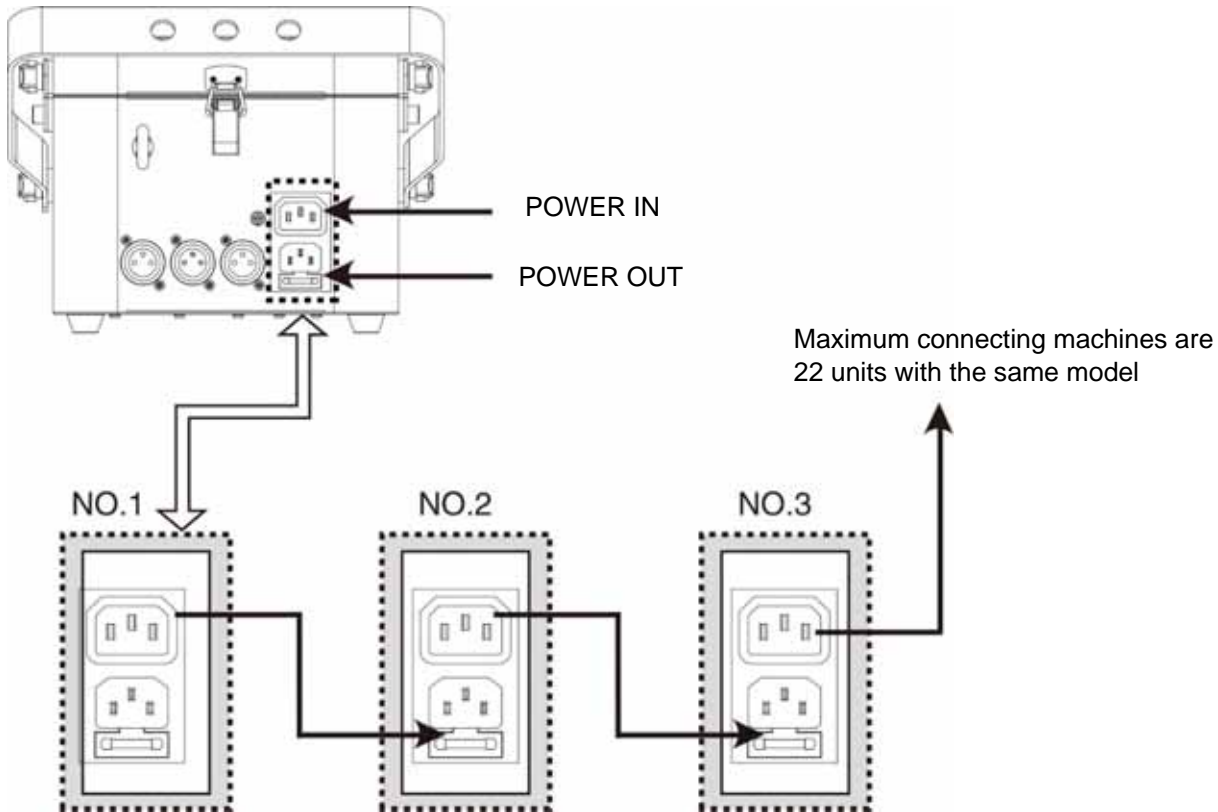
Control panel operation

Use the four buttons   MODE   ENTER   UP   and   DOWN   to operate the control panel:

SYS   System settings
S-Ir   IR control
ACT   Action control, stand alone programs
SLAU   Slave mode, set receive frequency for IR & ACT use

Press   MODE   to find an operation mode or to back out of the current menu option.
Press   UP   to scroll up the list of options or to find a higher value.
Press   DOWN   to scroll down the list of options or to find a lower value.
Press   ENTER   to activate a menu option or a selected value.

MODE			Description
SYS	S dAd		DMX address setup 001-509
	d-CH	3CH	3CH DMX mode
		4CH	4CH DMX mode
	s-tr	t.CH	Manually select transmit frequency (for IR&Act use) t001-t016
		tA.S	Automatically select Receive frequency (for IR&Act use)
		dt.CH	Manually select Transmit frequency (for DMX use) dt01-t16
		dtA.S	Automatically select Transmit frequency (for DMX use)
		dr.CH	Manually select receive frequency (for DMX use) dr.01-dr.16
		drA.S	Automatically select receive frequency (for DMX use)
	d-SL		Sensitivity low to high (SL.00-SL.32)
	S AAd		Reset software
S-Ir			IR Infrared remote control
SLAu	rA.S	r-AU	Automatical select receive frequency (For IR&Act use)
	r-St	r001-r016	Manually select receive frequency (For IR&Act use) r001-r016
ACt	A000 - A023	F000-F100	Strobe speed (slow to fast)
		SL.00-SL.32	Sensitivity low to high (SL.00-SL.32)
		P000-P100	Run speed (slow to fast)
		C000-C100	Brightness adjustment (dark to bright)

DMX Mode

Set DMX adres
When selecting a starting DMX address, always consider the number of DMX channels. If you choose a starting address that is too high, you could restrict the access to some of the product's channels. With 3Ch & 4CH, when in 4-channel DMX mode, it defines the highest configurable address 509.

Follow below to select the DMX starting address
Press <MODE> repeatedly until SYS,ACt,SLAv,or S-1r shows on the display.
Use <UP> or <DOWN> to select SYS.
Press <ENTER>
Use <UP> or <DOWN> to select SdAd from the menu
Press <ENTER>
Use <UP> or <DOWN> to select the starting address.
Press <ENTER>

With 3CH and 4CH,follow below to setup
Press <MODE> repeatedly until SYS, ACt, SLAv, or S-1r shows on the display.
Use <UP> or <DOWN> to select SYS
Press <ENTER>
Use <UP> or <DOWN> to select d-CH from the menu
Press <ENTER>
Use <UP> or <DOWN> to select either the 3-channel mode (3CH) or the 4-channel mode (4CH)
Press <ENTER>

DMX Value Functions 4 CH

CHANNEL	VALUE	FUNCTION	CH 2	CH 3	CH 4
		Static colors		Flash speed 000 – 249 Sound Active 250 – 255	
	000 – 009	Blackout			
	010 – 019	Red			
	020 – 029	Green			
	030 – 039	Blue			
	040 – 049	Red + Green			
	050 – 059	Red + Blue			
	060 – 069	Blue + Green			
	070 – 079	Red + Green + Blue			
		Color Changes	Run Speed Automatic 000 – 127 Sound Active 128 – 255	Flash speed 000 – 249 Sound Active 250 – 255	
1	080 – 089	Color change 1			
	090 – 099	Color change 2			
	100 – 109	Quadrant Effect 1			
	110 – 119	Quadrant Effect 2			
	120 – 129	Quadrant Effect 3			
	130 – 139	Quadrant Effect 4			
	140 – 149	Quadrant Effect 5			
	150 – 159	Quadrant Effect 6			
	160 – 169	Quadrant Effect 7			
	170 – 179	Quadrant Effect 8			
	180 – 189	Color change 3			
	190 – 199	Color change 4			
	200 – 209	Color change 5			
	210 – 219	RGB Color Mix mode	Red 0-100%	Green 0-100%	Blue 0-100%
	220 – 229	Color Mode	Fade speed 0-100%		
	230 – 255	Auto Run (sound active only)			

DMX Value Functions 3 CH

VALUE	CH 1	CH 2	CH 3
000 – 255	RED	GREEN	BLUE

Act mode Standalone)

Set the product in one of the standalone modes to control without connecting a DMX controller.
Note: Never connect a product that is operating in any standalone mode to a DMX string connected to a DMX controller.

Follow below actions to setup standalone mode:
Press <MODE> repeatedly until SYS,ACt,SLAv,or S-1r shows on the display.
Use <UP> or <DOWN> to select Act
Press <ENTER>
Use <UP> or <DOWN> to choose your desired program (A000-A023).
Press <ENTER>

Note: Certain programs will have additional functionality. To find these options, press <ENTER> after selecting an auto program. Then press <UP> or <DOWN>. Not every program will feature all the added functionality.

Function:	F000 - F100	SL.00 – SL.32	P000 – P100	C000 – C1000
Description:	Flash speed (slow to fast)	Sound sensitivity	Run speed (slow to fast)	Dimmer

Please refer to below:

Display	Function	Run Speed (P)	Flash Speed (F)	Color (C)
A000	Black		0 – 100	
A001	Red		0 – 100	
A002	Green		0 – 100	
A003	Blue		0 – 100	
A004	Yellow		0 – 100	
A005	Purple		0 – 100	
A006	Cyan		0 – 100	
A007	White		0 – 100	
A008	Color Change	Run Speed Automatic 0 – 50 Run Speed Sound 51 – 100	0 – 100	
A009	Action 1		0 – 100	
A010	Action 2		0 – 100	
A011	Action 3		0 – 100	
A012	Action 4			
A013	Action 5			
A014	Action 6			
A015	Action 7			
A016	Action 8			
A017	Action 9			
A018	Action 10			
A019	Action 11			
A020	Action 12			
A021	Any Color	0 – 100 (red)	0 – 100 (green)	0 – 100 (blue)
A022	Color Fade	0 – 100		
A023	Auto Run	0 – 100		

IR control

It is fully compatible with the IRC (Infrared Remote Control),please follow below to setup.
Press <MODE> repeatedly until SYS, ACt, SLAv, or S-1r shows on the display.
Use <UP> or <DOWN> to select S-1r, Press <ENTER>, Begin using the IRC

The functions of IRC:

Automatic Mode
Automatic Mode will enable you to run the automatic programs on the product.
Press AUTO on the IRC. Press +
or - to choose different auto programs.

To adjust the speed of the automatic program. Press
SPEED on the IRC Press +
or - to either increase or decrease the speed of the program.

Sound Active Mode
Active Mode will enable the product to respond to music and follow Sound
actions. below
sound button. Press
Adjust the sound sensitivity. Press
sensitivity button. Press +
or - to either increase or decrease sound sensitivity.

Manual Color Control.
To choose a specific color with the IRC.

Press MANUAL on the IRC.
Press any number between 0-9 to choose your color.

To manually control the RGB percentage.
Press MANUAL on the IRC.
Press R, G, or B to choose your color.
Press the number (percentage) you desired
Press the button of %.

For example:
[MANUAL] -> [R] -> [5] -> [0] -> [%], red changes as 50%.

strobe control.
Follow below actions.
Press the strobe button on the IRC, Use + o - to adjust strobe speed.

Fade/snap.
Press the button of Fade/snap, Use + or - to adjust speed.

BLACK OUT.
Use the button of BLACK OUT to turn on or turn off.
Press the BLACK OUT to turn off.
Press Auto button to turn on and press BLACK OUT to turn on or turn off with power of the product.

DMX Mode Auto Sync

It offers wireless control of two or more products with a single DMX controller. To set syncing function for DMX functionality automatically, do the following:

For the transmitting product.
Press <MODE> repeatedly until SYS, ACt, SLAv, or S-1r shows on the display.
Use <UP> or <DOWN> to select SYS.
Press <ENTER>.
Press <UP> or <DOWN> until S-tr appears on the display.
Press <ENTER>.
Press <UP> or <DOWN> until dtA.S appears on the display.
Press <ENTER>.
The display should show dt.AU.

For the receiving product(s).
Press <MODE> repeatedly until SYS, ACt, SLAv or S-1r shows on the display.
Use <UP> or <DOWN> to select SYS.
Press <ENTER>.
Press <UP> or <DOWN> until S-tr appears on the display.
Press <ENTER>.
Press <UP> or <DOWN> until dRA.S appears on the display.
Press <ENTER>.
The display should show dR.AU.

Once the steps above are done, press and hold <AUTO> on the transmitter for about 20 seconds and the signal LED of receiver will flash to indicate sync is activated.

Cancel Auto Sync.
Press the Auto button of the receiving product until the signal stops flash, which means the between the receiver and transmitter is cancelled.

Auto Sync for receivers and transmitters:
Repeat operations, match the next group after finishing matching the first group. (Power off other fixtures when you follow the actions and multiple groups can not be matched at the same time)

One transmitter to multiple receivers.
Follow the instructions and set one as transmitter, the others as receivers, set the auto Sync between one receiver and one transmitter, and then power off the receiver, match another pair. Power on all the receivers after finishing, multiple receivers can be controlled by one transmitter.

DMX Mode Manual Sync:

It can wireless control of two or more products with a single DMX controller. To manually set up the syncing function for DMX functionality, do the following.

For the transmitting product.
Press <MODE> repeatedly until SYS,ACt,SLAv,or S-1r shows on the display.
Use <UP> or <DOWN> to select SYS.
Press <ENTER>.
Press <UP> or <DOWN> until S-tr appears on the display.
Press <ENTER>.
Press <UP> or <DOWN> until dt.CH appears on the display.
PRESS <ENTER>.
Use <UP> or <DOWN> to select the transmitting signal (dt.01-dt.16).

For the receiving product(s).
Press <MODE> repeatedly until SYS, ACt, SLAv, or S-1r shows on the display.
Use <UP> or <DOWN> to select SYS.
Press <ENTER>.
Press <UP> or <DOWN> until S-tr appears on the display.
Press <ENTER>.
Press <UP> or <DOWN> until dR.CH appears on the display.
Press <ENTER>.
Use <UP> or <DOWN> to select the receiving signal (dr.01 - dr.16). The channel. number should match the transmitting signal you chose in the prior steps.

Two products can be matched after finishing above steps.
Note: one transmitter can be used with multi receivers. Follow this actions and set one as transmitter, the others as receivers, one transmitter can be used with multi receiver products.

IR/standalone mode auto Sync

Two or more products can be controlled with no external controllers or with the IRC. To automatically set up syncing function for IR/standalone functionality, do the following.

For the transmitting product:
Press <MODE> repeatedly until SYS, ACt, SLAv, or S-1r shows on the display.
Use <UP> or <DOWN> to select SYS.
Press <ENTER>.
Press <UP> or <DOWN> until S-tr appears on the display.
Press <ENTER>.
Press <UP> or <DOWN> until tA.s appears on the display.
Press <ENTER>.
The display should show t-AU.

For the receiving product(s).
Press <MODE> repeatedly until SYS, ACt, SLAv, or S-1r shows on the display.
Use <UP> or <DOWN> to select SLAv.
Press <ENTER>.
Press <UP> or <DOWN> until rA.S appears on the display.
Press <ENTER>.
The display should show r-AU.

Once the steps above are done, press and hold <AUTO> on the transmitter for approximately 20 seconds. The signal LED of the receiver will flash to indicate sync is activated.

Note
cancel IR/standalone Auto Sync
Press the Auto button of the receiver until the indicator stops flash, which means Sync data is cancelled.

IR/standalone Auto Sync of multiple receivers and transmitters.
Repeat operations, match the next group after finishing match the first group. (Power off other fixtures when you follow the actions and multiple groups can not be matched at the same time)

One transmitter to multiple receivers:
Follow the instructions and set one as transmitter, the others as receivers, set the auto Sync between one receiver and one transmitter, and then power off the receiver, match another pair. Power on all the receivers after finishing, multiple receivers can be controlled by one transmitter.

Note:
The distance of receiver and transmitter should be between 0.6 meter and 10 meter.

MAINTENANCE

The unit should be cleaned periodically to ensure the optimum performance, the smudginess can decrease the life of light and the output of light is affected by the dust which can make the machine overheating. In general, make the maintenance at least two times a month. Be sure to power off the unit before cleaning .

Do not clean until the unit recovers normal temperature since high temperature for using, use the lens tissue or soft cotton cloth with alcohol to wipe gently.

Cleaning frequency depends on the environment in which the fixture operates, damp, smoky or dirty surrounding can cause greater accumulation of dirt on the optics. Never rub or press strongly on the panel.

SPECIFICATION

Voltage ....100-240V AC 50/60Hz
Input current 0.4A
Power 85W
Fuse 2A 250V
Light source.. 198pcs LED
....60 pcs red
....69pcs green
.... 69pcs blue

Built-in lithium battery....................................12V 8.8Ah
Wireless DMX frequency.......... 2.433GHz – 2.481GHz
Distance: ....R-T signal far from 250 meters
Weight 3.3kg
Size ....L187 x W187 x H148mm

CE & R&TTE DECLARATION OF CONFORMITY

Importer:	TRONIOS BV
	Bedrijvenpark Twente 415
	7602 KM - ALMELO
Tel :	0031546589299
Fax :	0031546589298
	The Netherlands
Product number:	**150.568**
Product Description:	Beamz, Wi-Par 198 LED RGB Batt. 2.4GHz DMX
Regulatory Requirement:	EN 60065
	EN 55013: 2001/A2:2006
	EN 55020: 2007/A11:2011
	EN 61000-3-2/-3-3
	EN 301489-1 V1.8.1
	EN 301489-9 V1.4.1
	EN 300422-1 V1.3.2
	EN 300422-2 V1.2.2

The product meets the requirements stated in the above mentioned Standards. This certificate does not cover the aspects that may be relevant such as performance and fitness for purpose.

Almelo, 10-03-2012

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

www.tronios.com