WW183

18 x 3watt, 3 in 1, RGB, LED's, IP65 Rating, Wall-Wash Light

Operating Manual

BEFORE YOU BEGIN

What is included:
1 x Light Fixture
1 x 1.5mtr IP65 to 230volt Adaptor Cable
1 x 1.5mtr IP65 Female to 3-Pin XLR Male Adaptor Cable
1 x 1.5mtr IP65 Male to 3-Pin XLR female Adaptor Cable
1 x User Manual

Unpacking Instructions

Immediately upon receiving a fixture, carefully unpack the carton. Check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping, or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the supplier as "faulty out of the box", it is important that the fixture be returned in the original factory box and packing.

Safety Instructions

This apparatus (light) belongs to CLASS I (Earthed) device, therefore it must be connected to a power source with an earth socket.

Use a suitable and safe power outlet or power extension cable to connect the light.

The light can emit a very powerful beam. Do not stare directly at the light beam. It can hurt your eyes.

Keep away from children. To be operated by trained personnel only.

Make sure that the supply voltage is within the specified voltage levels of the light.

Before connecting to a power source, inspect the power cable, mains plug and cable anchor, for any damage or lacerations. If the cable/plug shows any signs of damage, or the cable anchor is not secured, do not connect the light to a power source. Refer the light to a qualified technician for repairs.

The light must be powered-off when it's not in use, in order to extend its life and reduce power consumption. Disconnect from the power source before cleaning.

When un-plugging the power cable, from the power source, pull out the plug by gripping the plug. Do not pull it by the cable.

If you see bare wires exposed, when the light is in operation, immediately turn the power off from the wall socket or the switch-board, then disconnect the light and refer it to a qualified technician for repairs.

Do not modify the light in any way. No User Serviceable parts inside.

The Maximum ambient operating temperature is 40° C in the shade. Do not operate fixture at temperatures higher than this. Do not operate the light, when exposed to direct sunlight.

Never connect the device to a dimmer pack.

Do not daisy chain power to more than 10 units @ 230V.

If you are a business or employer (or other PCBU) you must ensure that the light is regularly

inspected and tested, by a competent person, to Australian standards AS/NZS 3760: 2013

Specifications:

Electrical:
Input Voltage, 100-240V AC-50/60Hz
Max power: 150W

Light Source:
LED Qty, 18pcs, 3watt, 3 in 1 RGB

Control:
Control Protocol: DMX512
Personality: 2/4/6/8/9/18/54/56 channels
Fixture Connection: Power in/out, DMX Data in/out.
Control Mode: DMX, Stand Alone

Optical System:
Dimmer: 0-100% Linear dimming, high speed, flicker-free driver chip.
Strobe: 0-20Hz
Beam angle: 25°

Environment:
Dry / Damp / Indoor / Outdoor
Ingress Protection Rating: IP65
Operation Temperature:-20'C - 40'C

Physical:
Dimensions (L*W*D): 1000*77*125mm (Including Brackets)
Weight: 4.34kg (Including Cables and Brackets)
Housing: Die-cast aluminium
Cooling: Natural Cooling

<u>Setup</u>

Installation Requirement

This product can operate in any position.

If hanging the fixture for overhead use, then please follow the below steps: When hanging the fixture, it is your responsibility to ensure the hanging apparatus and the hanging point can safely support the total weight of the light.

Please make sure there are no flammable objects within 1mtr when installing the light.

The installation must be carried out by trained personnel only. A faulty installation may cause injury or equipment damage.

During the installation, block access below the work area and use suitable and stable platforms, when installing or servicing the light.

Lights must be operated placed in well ventilated areas. Make sure any Ventilation Heat-sinks, on the fixture, are not obscured.

Power Connection

This fixture has an auto-switching switch-mode power supply that can accommodate a wide range of input voltages. The only thing necessary to do before powering on the unit is to make sure the line voltage you are applying is within the range of accepted voltages. This fixture will accommodate between 100V and 240V AC 50-60 Hz.

Connection of DMX Signal Cable

1. This light utilizes the standard DMX512 control protocol. Even though the fixture can operate with standard balanced audio cables, using DMX Data cables will ensure there is no "misfiring" or loss of data integrity.

2. Connect the first fixture, to the DMX controller, using the male 3 pin connector. Connect the first fixture to the next fixture using the female 3 pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on. IP65 to XLR DMX cables adaptors allow for the connection of this fixture to standard 3-pin XLR DMX cables and controllers.

3. Numerous fixtures can be connected in series without the need for a signal amplifier.

Operating Instructions

Control Panel Functions

Button	Function
MENU	Exits from the current menu or function
ENTER	Enables the currently displayed menu or sets the currently selected value in to the selected function
UP	Navigates upwards through the menu list and increases the numeric value when in a function
DOWN	Navigates downwards through the menu list and decreases the numeric value when in a function

Menu Map

Select	Display		Control	Function
Mode	d001		Up/down	4 Channel Mode
	A001		Up/down	8 Channel Mode
	FF01		Up/down	RGBA Colour Change (snap)
	CC01		Up/down	RGBA Colour Change (fade)
	Enter	R255	Up/down	Red Dimmer 0-100%
		G255	Up/down	Blue Dimmer 0-100%
		B255	Up/down	Green Dimmer 0-100%
		W255	Up/down	Amber Dimmer 0-100%
	dE00		Up/down	Auto Mode
	SoUd		Up/down	Sound Trigger Mode
	SLAu		Up/down	Slave Mode

DMX Channels

2 Channel Mode		
Channel	**DMX Value**	**Function**
CH1	000-005	Null
	006-016	Red
	017-027	Green
	028-038	Blue
	039-049	Yellow
	050-060	Pink
	061-071	Cyan
	072-082	White
	083-093	Jump effect 01
	094-104	Jump effect 02
	105-115	Jump effect 03
	116-126	Jump effect 04
	127-137	Jump effect 05
	138-148	Jump effect 06
	149-159	Jump effect 07
	160-170	Jump effect 08
	171-181	Loops jump effect 01 to 08
	182-192	Red shade effect
	193-203	Green shade effect
	204-214	Blue shade effect
	215-225	Pink shade effect
	226-236	Yellow shade effect
	237-247	Loops red to yellow shade effect
	248-255	Sound active
CH2	000-255	Speed from slow to fast

3 Channels Mode:

Channel	DMX Value	Function
CH1	000-255	Red Dimming, From dark to light
CH2	000-255	Green Dimming, From dark to light
CH3	000-255	Blue Dimming, From dark to light

4 Channels Mode:

Channel	DMX Value	Function
CH1	000-255	RGB Total Dimming, From dark to light
CH2	000-255	Red Dimming, From dark to light
CH3	000-255	Green Dimming, From dark to light
CH4	000-255	Blue Dimming, From dark to light

6 Channels Mode:

Channel	DMX Value	Function
CH1	000-255	1-8# Red Dimming, From dark to light
CH2	000-255	1-8# Green Dimming, From dark to light
CH3	000-255	1-8# Blue Dimming, From dark to light
CH4	000-255	9-18# Red Dimming, From dark to light
CH5	000-255	9-18# Green Dimming, From dark to light
CH6	000-255	9-18# Blue Dimming, From dark to light

7 Channel Mode		
Channel	**DMX Value**	**Function**
CH1	000-255	RGB Total Dimming, From dark to light
CH2	000-255	Red Dimming, From dark to light
CH3	000-255	Green Dimming, From dark to light
CH4	000-255	Blue Dimming, From dark to light
CH5	007-255	RGB Strobe Speed from Slow to Fast
CH6	000-005	Null
	006-016	Red
	017-027	Green
	028-038	Blue
	039-049	Yellow
	050-060	Pink
	061-071	Cyan
	072-082	White
	083-093	Jump effect 01
	094-104	Jump effect 02
	105-115	Jump effect 03
	116-126	Jump effect 04
	127-137	Jump effect 05
	138-148	Jump effect 06
	149-159	Jump effect 07
	160-170	Jump effect 08
	171-181	Loops jump effect 01 to 08
	182-192	Red shade effect
	193-203	Green shade effect
	204-214	Blue shade effect
	215-225	Pink shade effect
	226-236	Yellow shade effect
	237-247	Loops red to yellow shade effect
	248-255	Sound active
CH7	000-255	Speed from Slow to Fast

9 Channels Mode:

Channel	**DMX Value**	**Function**
CH1	000-255	1-6# Red Dimming, From dark to light
CH2	000-255	1-6# Green Dimming, From dark to light
CH3	000-255	1-6# Blue Dimming, From dark to light
CH4	000-255	7-12# Red Dimming, From dark to light
CH5	000-255	7-12# Green Dimming, From dark to light
CH6	000-255	7-12# Blue Dimming, From dark to light
CH7	000-255	13-18# Red Dimming, From dark to light
CH8	000-255	13-18# Green Dimming, From dark to light
CH9	000-255	13-18# Blue Dimming, From dark to light

18 Channels Mode:

Channel	**DMX Value**	**Function**
CH1	000-255	1-3# Red Dimming, From dark to light
CH2	000-255	1-3# Green Dimming, From dark to light
CH3	000-255	1-3# Blue Dimming, From dark to light
CH4	000-255	4-6# Red Dimming, From dark to light
CH5	000-255	4-6# Green Dimming, From dark to light
CH6	000-255	4-6# Blue Dimming, From dark to light
CH7	000-255	7-9# Red Dimming, From dark to light
CH8	000-255	7-9# Green Dimming, From dark to light
CH9	000-255	7-9# Blue Dimming, From dark to light
CH10	000-255	10-12# Red Dimming, From dark to light
CH11	000-255	10-12# Green Dimming, From dark to light
CH12	000-255	10-12# Blue Dimming, From dark to light

Channel	DMX Value	Function
CH13	000-255	13-15# Red Dimming, From dark to light
CH14	000-255	13-15# Green Dimming, From dark to light
CH15	000-255	13-15# Blue Dimming, From dark to light
CH16	000-255	16-18# Red Dimming, From dark to light
CH17	000-255	16-18# Green Dimming, From dark to light
CH18	000-255	16-18# Blue Dimming, From dark to light

54 Channels Mode:

Channel	DMX Value	Function
CH1	000-255	1# Red Dimming, From dark to light
CH2	000-255	1# Green Dimming, From dark to light
CH3	000-255	1# Blue Dimming, From dark to light
CH4	000-255	2# Red Dimming, From dark to light
CH5	000-255	2# Green Dimming, From dark to light
CH6	000-255	2# Blue Dimming, From dark to light
CH7	000-255	3# Red Dimming, From dark to light
CH8	000-255	3# Green Dimming, From dark to light
CH9	000-255	3# Blue Dimming, From dark to light
CH10	000-255	4# Red Dimming, From dark to light
CH11	000-255	4# Green Dimming, From dark to light
CH12	000-255	4# Blue Dimming, From dark to light
CH13	000-255	5# Red Dimming, From dark to light
CH14	000-255	5# Green Dimming, From dark to light
CH15	000-255	5# Blue Dimming, From dark to light
CH16	000-255	6# Red Dimming, From dark to light
CH17	000-255	6# Green Dimming, From dark to light
CH18	000-255	6# Blue Dimming, From dark to light
CH19	000-255	7# Red Dimming, From dark to light
CH20	000-255	7# Green Dimming, From dark to light
CH21	000-255	7# Blue Dimming, From dark to light
CH22	000-255	8# Red Dimming, From dark to light
CH23	000-255	8# Green Dimming, From dark to light
CH24	000-255	8# Blue Dimming, From dark to light
CH25	000-255	9# Red Dimming, From dark to light
CH26	000-255	9# Green Dimming, From dark to light
CH27	000-255	9# Blue Dimming, From dark to light
CH28	000-255	10# Red Dimming, From dark to light
CH29	000-255	10# Green Dimming, From dark to light
CH30	000-255	10# Blue Dimming, From dark to light
CH31	000-255	11# Red Dimming, From dark to light
CH32	000-255	11# Green Dimming, From dark to light
CH33	000-255	11# Blue Dimming, From dark to light
CH34	000-255	12# Red Dimming, From dark to light
CH35	000-255	12# Green Dimming, From dark to light
CH36	000-255	12# Blue Dimming, From dark to light
CH37	000-255	13# Red Dimming, From dark to light
CH38	000-255	13# Green Dimming, From dark to light
CH39	000-255	13# Blue Dimming, From dark to light
CH40	000-255	14# Red Dimming, From dark to light
CH41	000-255	14# Green Dimming, From dark to light
CH42	000-255	14# Blue Dimming, From dark to light
CH43	000-255	15# Red Dimming, From dark to light
CH44	000-255	15# Green Dimming, From dark to light
CH45	000-255	15# Blue Dimming, From dark to light
CH46	000-255	16# Red Dimming, From dark to light
CH47	000-255	16# Green Dimming, From dark to light
CH48	000-255	16# Blue Dimming, From dark to light
CH49	000-255	17# Red Dimming, From dark to light
CH50	000-255	17# Green Dimming, From dark to light

Channel	DMX Value	Function
CH51	000-255	17# Blue Dimming, From dark to light
CH52	000-255	18# Red Dimming, From dark to light
CH53	000-255	18# Green Dimming, From dark to light
CH54	000-255	18# Blue Dimming, From dark to light

56 Channels Mode:

Channel	DMX Value	Function
CH1	000-255	RGB Total Dimming, From dark to light
CH2	007-255	RGB Strobe Speed from Slow to Fast
CH3	000-255	1# Red Dimming, From dark to light
CH4	000-255	1# Green Dimming, From dark to light
CH5	000-255	1# Blue Dimming, From dark to light
CH6	000-255	2# Red Dimming, From dark to light
CH7	000-255	2# Green Dimming, From dark to light
CH8	000-255	2# Blue Dimming, From dark to light
CH9	000-255	3# Red Dimming, From dark to light
CH10	000-255	3# Green Dimming, From dark to light
CH11	000-255	3# Blue Dimming, From dark to light
CH12	000-255	4# Red Dimming, From dark to light
CH13	000-255	4# Green Dimming, From dark to light
CH14	000-255	4# Blue Dimming, From dark to light
CH15	000-255	5# Red Dimming, From dark to light
CH16	000-255	5# Green Dimming, From dark to light
CH17	000-255	5# Blue Dimming, From dark to light
CH18	000-255	6# Red Dimming, From dark to light
CH19	000-255	6# Green Dimming, From dark to light
CH20	000-255	6# Blue Dimming, From dark to light
CH21	000-255	7# Red Dimming, From dark to light
CH22	000-255	7# Green Dimming, From dark to light
CH23	000-255	7# Blue Dimming, From dark to light
CH24	000-255	8# Red Dimming, From dark to light
CH25	000-255	8# Green Dimming, From dark to light
CH26	000-255	8# Blue Dimming, From dark to light
CH27	000-255	9# Red Dimming, From dark to light
CH28	000-255	9# Green Dimming, From dark to light
CH29	000-255	9# Blue Dimming, From dark to light
CH30	000-255	10# Red Dimming, From dark to light
CH31	000-255	10# Green Dimming, From dark to light
CH32	000-255	10# Blue Dimming, From dark to light
CH33	000-255	11# Red Dimming, From dark to light
CH34	000-255	11# Green Dimming, From dark to light
CH35	000-255	11# Blue Dimming, From dark to light
CH36	000-255	12# Red Dimming, From dark to light
CH37	000-255	12# Green Dimming, From dark to light
CH38	000-255	12# Blue Dimming, From dark to light
CH39	000-255	13# Red Dimming, From dark to light
CH40	000-255	13# Green Dimming, From dark to light
CH41	000-255	13# Blue Dimming, From dark to light
CH42	000-255	14# Red Dimming, From dark to light
CH43	000-255	14# Green Dimming, From dark to light
CH44	000-255	14# Blue Dimming, From dark to light
CH45	000-255	15# Red Dimming, From dark to light
CH46	000-255	15# Green Dimming, From dark to light
CH47	000-255	15# Blue Dimming, From dark to light
CH48	000-255	16# Red Dimming, From dark to light
CH49	000-255	16# Green Dimming, From dark to light
CH50	000-255	16# Blue Dimming, From dark to light
CH51	000-255	17# Red Dimming, From dark to light
CH52	000-255	17# Green Dimming, From dark to light

CH53	000-255	17# Blue Dimming, From dark to light
CH54	000-255	18# Red Dimming, From dark to light
CH55	000-255	18# Green Dimming, From dark to light
CH56	000-255	18# Blue Dimming, From dark to light

Service and Maintenance

Note: No User Serviceable parts are inside this light fixture. For all repairs and service, please consult a qualified technician.

Fault/Symptom	Cause/Remedy
Low Output	There may be excessive dirt built-up on the front lenses. Clean the glass with a non-abrasive cloth and glass cleaner
1 or more LEDs are not illuminating	An individual LED may have failed. The LEDs are wired in series. The failed LED will cause an open circuit, resulting in the remaining LEDs, of the same colour, not illuminating. It does not mean that all the LEDs have failed. Send fixture to an authorised service agent for repair.
Circuit Breaker/Fuse keeps tripping/blowing.	Check the total load connected to the electrical supply. Reduce the number of items connected to the supply.
	Check for damaged power cables which may cause a short circuit. Disconnect and remove faulty item from the electrical supply.
Fixture has no power	Check for connection to the electrical supply. Check power adaptor cable and replace it if it is faulty. If there is still, no power, send fixture to an authorised service agent for repair.
Not responding to DMX	Check Input Panel for correct addressing
	Check DMX cables, input and output, for short circuits or open circuits.
	Check the polarity switch settings on the DMX controller
	If fixture is still not responding, send fixture to an authorised service agent for repair.
Loss of signal or responding to commands	Install a cable terminator
	Use only DMX Cables
	Connect directly to DMX controller to test fixture. If it's still not responding to DMX commands, send fixture to an authorised service agent for repair.