

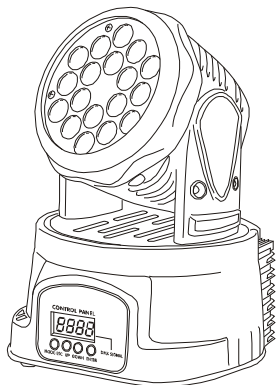
Mini Wash 18

User Manual

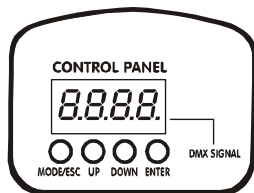


Getting to know the device

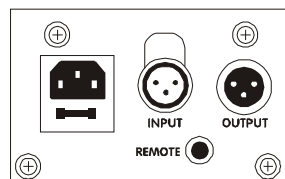
LEDs	18*3W RGB
DMX Control	5/12 Channel
Control Connections	3 Pin Female XLR sockets,3 Pin Male XLR sockets
Power Requirement	115V-230V, 50/60Hz
Power Consumption	90 Watts
Dimensions	225mm*225mm*270mm
Net Weight	4.2Kg



Overall Configuration



Control Panel



Control Connections

Clolor Options

The Unit offers a range of 16 preset colors. These can be individually selected with DMX control and feature in Auto Run

- ◆ Power connection to the product via a 110-230 power switch, please verify your local voltage.
- ◆ To maintain the Manufacturer Warranty, only attach authorized accessories and external devices. This includes cables, connectors and other electrical and /or mechanical device.
- ◆ Unplug the product from the mains during lightning storms or periods of main fluctuations. If the product is going to be unused for long periods, unplug the main.

Product Quality & Compliance

- ◆ Products from us meet all required safety standards in force at the time of manufacturer and are fully compliant with them.
- ◆ Unpacking & Inspection
- ◆ Inspect the packing before opening, if the packing appears to have sustained significant damage, please take extra care before using the product. If you are in any doubt, consult a suitably qualified professional.
- ◆ If you suspect the product has been damaged, do not use it. Return it to your original supplier without delay.
- ◆ Keep all packaging in a safe place for storage or transport in future.

Thanks for choosing our products and your kind cooperations.

and Sound Activated modes.

Color Preset
White
Red
Dark Green
Dark Blue
Light Blue
Magenta
Yellow
Purple
Orange
Light Green
Pink
Brown
Gold
Crimson
Violet
Dark Purple

Operating Modes

Six distinct operating modes, many with sub-modes, are supported by the unit. To select use the "MODE/ESC" button to enter the menu. "UP" and "DOWN" button choose from values available with the "ENTER" button confirming any selection. After a few seconds, the LED Display will blank during operation until another button is pressed.

1- In-built Program Mode

Setting Maximum Pan Angles

To select, use the “MODE/ESC” button and choose “PA18”, “PA36”, or “PA54”. “UP” and “Down” buttons cycle between all available Pan Angles. Press the “ENTER” button to confirm the chosen selection.

LED Display	Maximum Pan
PA18	18°
PA36	36°
PA54	54°

Setting Maximum Tilt Angles

To select, use the “MODE/ESC” button and choose “t.9”, “t.18”, or “t.27”. “UP” and “Down” buttons cycle between all available Tilt Angles. Press the “ENTER” button to confirm the chosen selection

LED Display	Maximum Pan
t.9	9°
t.18	18°
t.27	27°

1- in-built Program Mode(continued)

As the unit can be mounted hung underneath trussing, or can sit equally well on a flat surface, pan, tilt and LED display settings can be reversed to provide correct coverage and ease of use.

Setting Reversed or Normal Pan

To select, use the “MODE/ESC” button and choose “Pan”(normal)

and for your own safety.

- ◆ There are no user replacement parts inside the product. Do not open the product for any reason. This will invalidate your Manufacturer Warranty and may impair the safety features of the product.
- ◆ Do not expose this product to moisture, rain or other fluids.
- ◆ Do not use this product near water or other fluids.
- ◆ Do not use the product if you suspect it has been damaged in any way, including being dropped, is malfunctioning, or has been exposed to liquids or moisture. The unit must be repaired by an authorised service centre only. Manufacturer Warranty is void if unit is opened or adapted in any way. Operator safety may be compromised if this product is not operated and maintained in accordance with the details contained in this Owner Handbook.
- ◆ This appliance must be earthed. Do not remove the earth connection in the plug or any other location—it is essential for user safety.
- ◆ Be aware that products are mains powered and may be capable of producing high voltages from its outputs and has mains voltages inside the cabinet.

Product installation, Use & maintenance

- ◆ Keep this Owner handbook safe for future reference.
- ◆ Clean the product with a clean and dry, non-abrasive cloth. Do not use solvents or liquids to clean the product.
- ◆ To prevent overheating, do not obstruct any ventilation opening, fan cover or vent. Do not install any source of heat such as radiators, heaters, other heat producing items such as amplifiers, power units etc.

12 Channel DMX, Channels 8-12 (continued)

	Channel 8	Channel 9	Channel 10	Colour 11	Channel 12
	Green	Blue	Colour	Vector Speed	Movement
80-82	↑	↑	Magenta	↑	Auto 5
83-91			Magenta		Auto 6
92-94			Yellow		Auto 6
95-97			Yellow		Auto 6
98-105			Yellow		Auto 7
106-109			Purple		Auto 7
110-112			Purple		Auto 7
113-119			Purple		Auto 8
120-124			Orange		Auto 8
125-127			Orange		Auto 8
128-134			Orange		Sound 1
135-139			Light Green		Sound 1
140-142			Light Green		Sound 1
143-147			Light Green		Sound 2
148-154			Pink		Sound 2
155-157			Pink		Sound 2
158-161			Pink		Sound 3
162-169			Brown		Sound 3
170-172			Brown		Sound 3
173-175			Brown		Sound 4
176-184			Gold		Sound 4
185-187			Gold		Sound 4
188-189			Gold		Sound 5
190-199			Crimson		Sound 5
200-202			Crimson		Sound 5
203			Crimson		Sound 6
204-214			Violet		Sound 6
215-217			Violet		Sound 6
218-231			Dark Purple		Sound 7
232			Colour Change		Sound 7
233-235			Colour Change		Sound 8
236-239			Colour Change		Sound 8
240-255	Most	Most	Colour Change	↓	Sound 8

For your safety

- ◆ Follow all instructions to maintain Manufacturer Warranty

or 'rPAN'(reversed). "UP" and "DOWN|" buttons cycle between the two settings. Press the "ENTER" button to confirm the choesen selection

Setting Reversed or Normal Tilt

To select,use the "MODE/ESC" button and choose "t.L"(normal) or "rt.l"(reversed). "UP" and "DOWN|" buttons cycle between the two settings. Press the "ENTER" button to confirm the choesen selection

Setting Reversed or Normal LED Display

To select,use the "MODE/ESC" button and choose "d.s"(normal) or :rd.s"(reversed). "UP" and "DOWN|" buttons cycle between the two settings. Press the "ENTER" button to confirm the choesen selection

2- Auto Run Mode

One of two Auto Run Sub-modes can be selected with a choice of preset speeds. This mode enables the unit to act as a Master to other Slave units.

Choosing Auto Run Sub-modes

To select use the "MODE/ESC" button to show "NAFA" or "NASL". "UP" and "DOWN" buttons change between the two initial options. With the appropriated option selected ,use "ENTER" to confrim and the LED Display with change to :Fast"(fast) or "Slou"(slow). The unit will then run at the choese speed

Initial LED Display	Second LED Disply	Sub-mode
NAFA	Fast	Fast Auto Run

NAFL	SloU	Slow Auto Run
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3- Sound Activated Mode

The unit responds to sounds picked up by the built in microphone to create a light show. Each sound picked up makes changes to color shown and position of the effects. This mode enables the unit to act a Master to other Slave units

Choosing Sound Activated Mode

To select,use the MODE/ESC”button and choose”NStS”. When the “ENTER” button is pressed the LED Display changes to “SrUn” and the unit enters Sound Activated Mode.

Initial LED Display	Second LED Disply	Sub-mode
NStS	SrUn	Sound Activated

4- Slave Mode

Up-to 32 units can be daisy chained together with one single unit acting as Master and all other linked units as Slaves. Slave units will all run in synch with the master unit without the need for an additional controller. Connections can be made using standarad DMX control cables with the Master unit running in Auto Run or Sound Activated Modes and placed at the start of the chain.

Choosing Slave Mode

To select, use the “MODE/ESC” button and choose “SLAu”. When the “ENTER” button is pressed the LED display changes to “Son” and the unit will be slaved to control signals coming from a Master unit.

12 Channel DMX, Channels 8-12

	Channel 8	Channel 9	Channel 10	Colour 11	Channel 12
	Green	Blue	Colour	Colour Speed	Movement
0-7	Least	Least	Not Used	▲	Not Used
8-15	▲	▲	White		Auto 1
16-21			White		Auto 1
22			Red		Auto 1
23			Red		Auto 2
24-31			Red		Auto 2
32-34			Red		Auto 2
35-37			Dark Green		Auto 2
38-39			Dark Green		Auto 3
40-47			Dark Green		Auto 3
48 49			Dark Green		Auto 3
50-53			Dark Blue		Auto 3
54-55			Dark Blue		Auto 4
56-63			Dark Blue		Auto 4
64-67			Light Blue		Auto 4
68-71			Light Blue		Auto 5
72-77			Light Blue		Auto 5
78-79	▼	▼	Magenta	▼	Auto 5

12 Channel DMX, Channels 1-7

	Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Pan	Pan Fine Control	Tilt	Tilt Fine Control	Vector Speed	Dimming & Strobe	Red
0-7	↑	↑	↑	↑	Pastest	All Closed	Least
8-50					↑	Brightest	↑
51-80						↕	
81-100							
101-134						Dimmest	
135-180						0Hz Strobe	
181-200						↕	
201-220							
221-239					↓	40Hz Strobe	↓
240-255	↓	↓	↓	↓	Slowest	All Open	Most

DMX 12 Channel Control setting

5- Service Modes

After major configuration changes it may be necessary to reboot or reset the unit.

Resetting the Unit

To select, use the "MODE/ESC" button and choose "rEST"(restore). Press "ENTER" to confirm. The unit powers itself down and then on again for a few seconds. During this time the LED display will scroll "rEST" from left to right, after which normal operation recommences.

Restoring factory defaults

To select, use the "MODE/ESC" button and choose "LoAD"(load). Press "ENTER" to confirm. The LED display will change to "d001" to confirm a factory reset has been completed.

Powering the unit initially

During the warm up the unit will auto test itself for a few seconds. During this time the led display will scroll "rEST" from left to right. The unit then commences operation normally.

6- DMX Modes

The unit supports 5 and 12 channel DMX Sub-modes from a standard desk. When a suitable DMX connection is made, the "decimal point" in "d.001" will flash.

Setting DMX Addresses

Use the "MODE/ESC" button to display "d001", "UP" and

“DOWN” buttons allows individual DMX addresses to be set from “d001” to “d512”

Choosing between DMX Sub-modes

The LED display shows the chosen control mode when the “MODE” button is pressed. Use “UP” and “DOWN” buttons to choose the appropriate DMX control Mode.

LED Disply	DMX Sub-mode
5CH	5 Channel
12Ch	12 Channel

DMX 5 Channel Control Settings

5 Channel DMX

	Channel 1	Channel 2	Channel 3	Channel 4	Channel 5
	Pan	Tilt	Dimming & Strobe	Colour	Not Used
0-7	↑	↑	All Closed	Not Used	
8-15			Brightest	White	
16-21			↑	White	
22-23				Red	
24-31				Red	
32-34				Red	
35-39				Dark Green	
40-47				Dark Green	
48-49				Dark Green	
50-55				Dark Blue	
56-63				Dark Blue	
64-71				Light Blue	
72-77				Light Blue	
78-79				Magenta	
80-91				Magenta	
92-94				Yellow	
95-105				Yellow	
106-109				Purple	
110-119				Purple	
120-124				Orange	
125-133			MINI WASH 18	Orange	
134	↓	↓	Dimmest	Light Green	

5 Channel DMX (continued)

	Channel 1	Channel 2	Channel 3	Channel 4	Channel 5
	Pan	Tilt	Dimming & Strobe	Colour	Not Used
135-139	↑	↑	0Hz Strobe	Light Green	
140-147			↑	Light Green	
148-154				Pink	
155-161				Pink	
162-169				Brown	
170-175				Brown	
176-181				Gold	
185-189				Gold	
190-199				Crimson	
200-203				Crimson	
204-214				Violet	
215-217				Violet	
216-231				Dark Purple	
232-235			↓	Colour Change	
236-239			40Hz Strobe	Colour Change	
240-255	↓	↓	All Open	Colour Change	