

7x12W RGBW 4in1 LED Moving Head

User manual

2.2 DMX Channel

In 8 channel mode

Channel	Function
1	PAN
2	TILT
3	DIMMER & STROBE
4	R
5	G
6	B
7	W
8	SPEED

In 13 channel mode

Channel	Function
1	PAN
2	PAN FINE
3	TILT
4	TILT FINE
5	PAN/TILT SPEED
6	DIMMER & STROBE
7	RED
8	GREEN
9	BLUE
10	WHITE
11	COLOR
12	COLOR SPEED
13	MOVEMENT(AUTO & SOUND EFFECT)

4.3 User configurations

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	180°
PA36	360°
PA54	540°

Setting Maximum Tilt Angles

To select, use the “MODE/ESC” button and choose “t.9” or “t.18” “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	90°
t.18	180°

1-in-built Program Mode (continued)

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

Setting Reversed or Normal Pan

To select, use the “MODE/ESC” button and choose “Pan”(normal) or “r Pan” (reversed). “UP” and “DOWN” buttons cycle between the two settings. Press the “ENTER” button to confirm the chosen 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 chosen 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 chosen 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 confirm and the LED Display will change to: “Fast” (fast) or “Slow” (slow). The unit will then run at the chosen speed

Initial LED Display	Second LED Display	Sub-mode
NAFA	Fast	Fast Auto Run
NAFL	Slow	Slow Auto Run

3-Sound Activated Mode

The unit responds to sounds picked up by the unit 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

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 Display	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 standard DMX control cables with Master unit running in Auto Run or Sound Activated Modes an placed at the start of the chain

Choosing Slave Mode

To select, use the “MODE/ESC” button and choose “SLAVE”. 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

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 frim 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 appropriated DMX control Mode

LED Display	DMX Sub-mode
5CH	5Channel
12CH	12channel

Color Options

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

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

4.4 DMX channel Values In 5 channel mode

Channel		Function
1	0-255	PAN
2	0-255	TILT
3	0-7	DIMMER & STROBE blank
	8-134	Dimmer
	135-239	Strobe from 0Hz to 40Hz
	240-255	Open
4	0-7	COLOR Blank
	8-21	White
	22-34	Red
	35-49	Dark green
	50-63	Dark blue

	64-77	Light blue
	78-91	Magenta
	92-105	Yellow
	106-119	Purple
	120-133	Orange
	134-147	Light green
	148-161	Pink
	162-175	Brown
	176-189	Gold
	190-203	Crimson
	204-217	Violet
	218-231	Dark Purple
	232-255	Color Change
5	0-255	BLANK

In 12 channel mode

Channel		Function
1	0-255	PAN
2	0-255	PAN FINE
3	0-255	TILT
4	0-255	TILT FINE
5	0-255	PAN/TILT SPEED From Fast to Slow
6	0-7 8-134 135-239 240-255	DIMMER & STROBE Blank Dimmer Strobe from 0Hz to 40Hz Open
7	0-255	RED
8	0-255	GREEN
9	0-255	BLUE
10	0-255	WHITE
11	0-7 8-21 22-34 35-49 50-63 64-77 78-91 92-105 106-119 120-134 135-147 148-161	COLOR Blank White Red Dark Green Dark Blue Light Blue Magenta Yellow Purple Orange Light Green Pink

	162-175	Brown
	176-189	Gold
	190-203	Crimson
	204-217	Violet
	218-231	Dark Purple
	232-255	Color Change
12	0-255	COLOR SPEED
13		MOVEMENT(AUTO & SOUND EFFECT)
	0-7	Blank
	8-22	Auto 1
	23-37	Auto 2
	38-53	Auto 3
	54-67	Auto 4
	68-82	Auto 5
	83-97	Auto 6
	98-112	Auto 7
	113-127	Auto 8
	128-142	Sound 1
	143-157	Sound 2
	158-172	Sound 3
	173-187	Sound 4
	188-202	Sound 5
	203-217	Sound 6
	218-232	Sound 7
	233-255	Sound 8