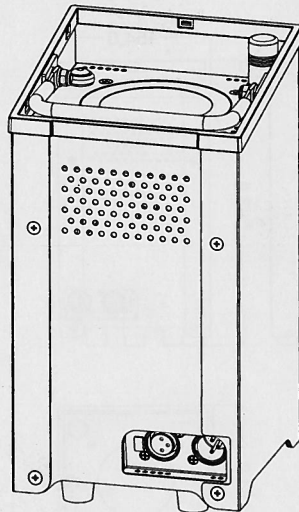


PRODUCT SPECIFICATIONS
TECHNICAL SPECIFICATIONS

URC

LIGHT UP

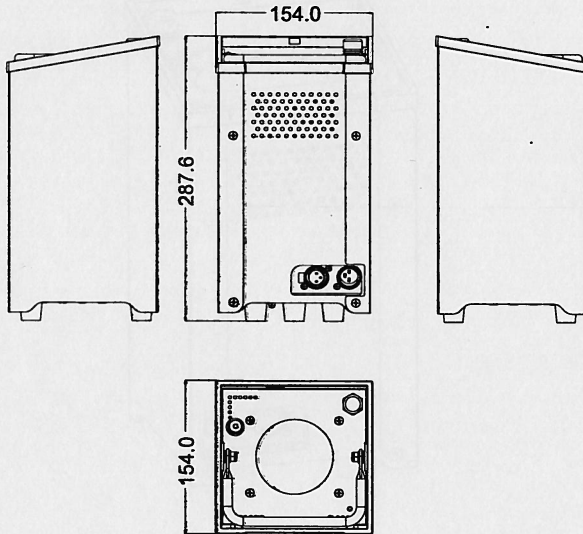


USER MANUAL

1 PRODUCT SPECIFICATIONS

1.1 TECHNICAL SPECIFICATIONS

LED MODULE	
Voltage	24VDC
Power	40W
IP RATING	IP 44
Operation Temperature	0°C~35°C(operating)
	0°C~35°C(startup)
Dimensions	154X154X288mm
Weight	6Kg



1.2 SAFETY WARNING

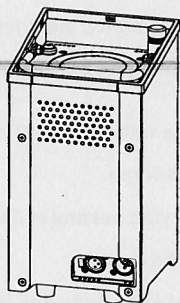
IMPORTANT:

- This product must be installed by a qualified professional.
- All maintenance must be carried out by a qualified electrician.
- A minimum distance of 0.5m must be maintained between the equipment and a combustible surface.
- The product must always be operated in a well ventilated area.
- DO NOT stare directly into the LED light source.
- Always disconnect the power before carrying out any maintenance.
- The earth must always be connected to the ground.
- Ensure that all parts of the equipment are kept clean and free of dust.

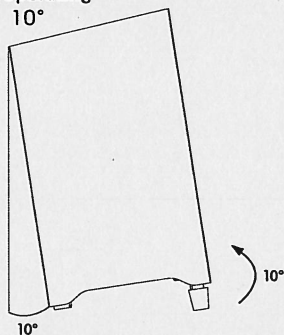
2 GETTING STARTED

2.1 OPERATING POSITION

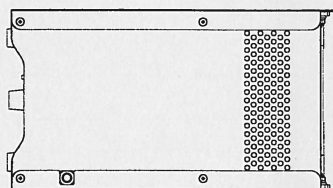
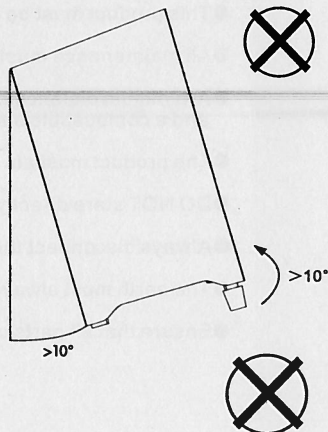
Upright operation



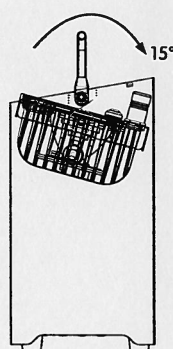
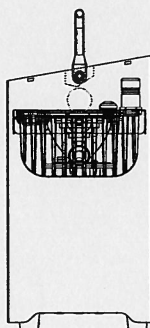
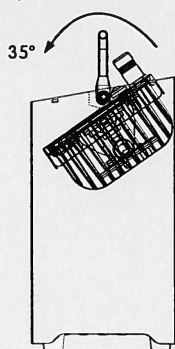
Adjust operating angle: 10°



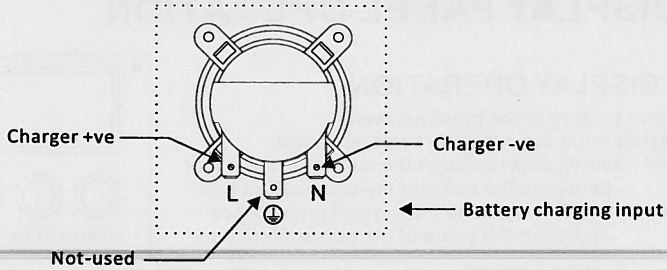
Incorrect operating angle



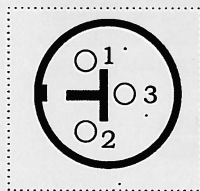
Tilt adjustment 15° ~ 30°



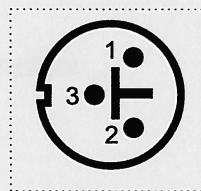
2.2 BATTERY CHARGING INPUT



2.3 DATA INPUT & OUTPUT



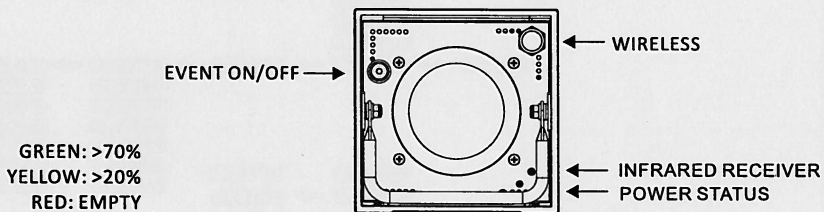
DMX Data Input



DMX Data Output

1. GND
2. Data(-)
3. Data(+)

2.4 GENERAL OPERATION

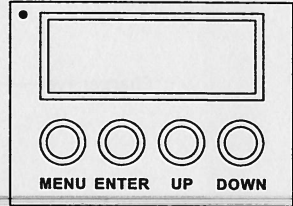


- Press the EVENT ON/OFF button for 3 seconds to turn on/off lighting fixture (when BATTERY STORAGE SWITCH is ON).
- EVENT ON/OFF button indicator LED when showing constant RED indicates lighting fixture is power ON (when slowly flashing indicates that DMX data is successfully received)

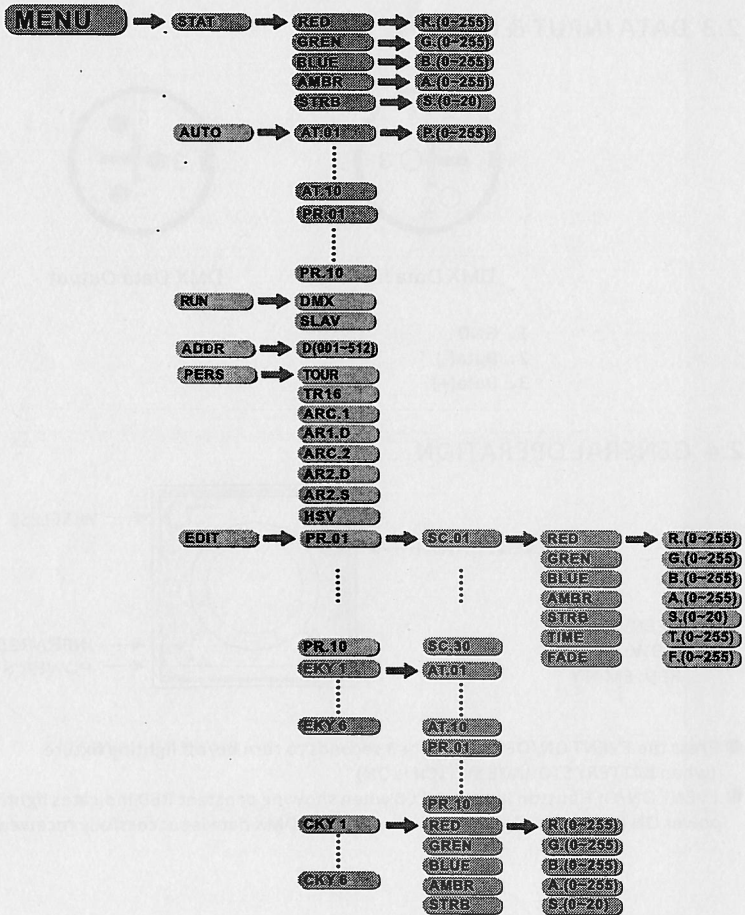
3 DISPLAY PANEL OPERATION

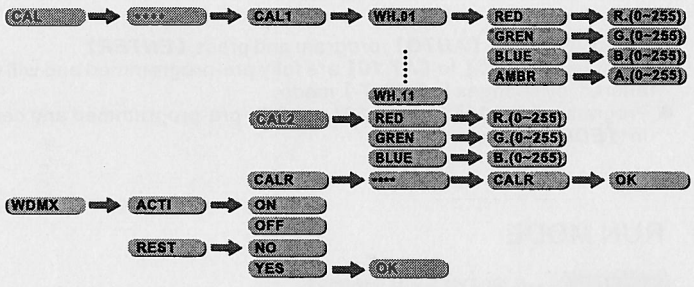
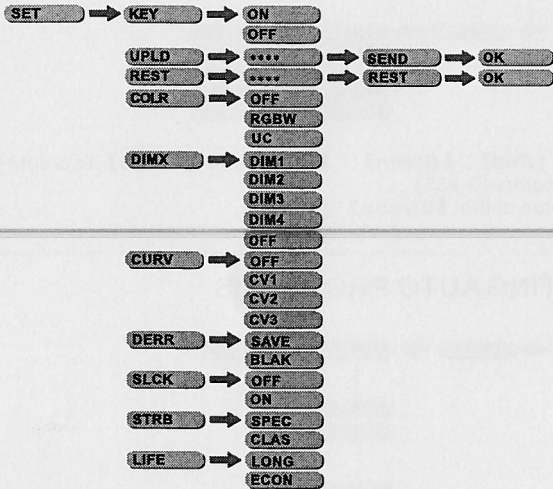
3.1 DISPLAY OPERATION

- 【 MENU 】 return to the previous menu.
- 【 ENTER 】 enter the currently selected menu.
- 【 UP 】 scroll down through the current menu list or decrease the value of the current function.
- 【 DOWN 】 scroll up through the current menu list or increase the value of the current function.

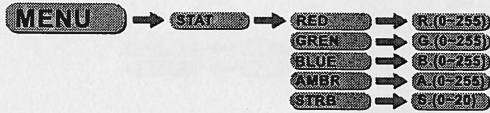


3.2 MENU MAP



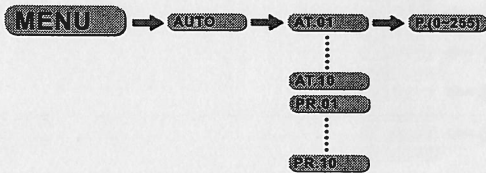


3.3 EDIT STATIC COLOUR



- Combine **Red** , **Green** , **Blue** and **White** to create an infinite range of colors (0-255)
- Set the value of the **Strobe** (0-20Hz)

3.4 ACTIVATING AUTO PROGRAMS



- Select the target **AUTO** program and press **ENTER** .
- Programs **AT.01** to **AT.10** are fully pre-programmed and will not be altered by changes in **EDIT** mode.
- Programs **PR.01** to **PR.10** are fully pre-programmed and can be edited in **EDIT** mode.

3.5 RUN MODE



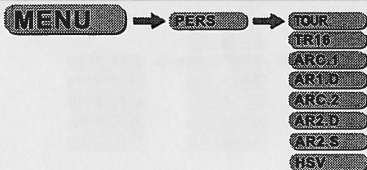
- Enter the **RUN** mode to set working mode.
- **DMX** mode is for using the DMX512 controller to control the fixtures.
- **SLAV** mode is for Master -- Slave operation.

3.6 DMX512 SETTINGS



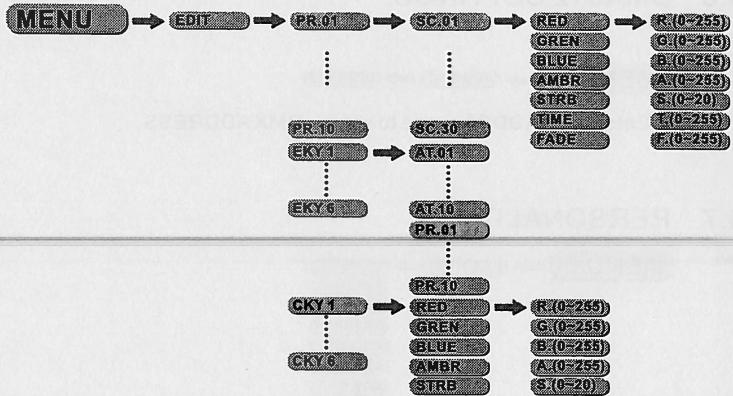
- Enter the **【ADDR】** mode to set the DMX ADDRESS.

3.7 PERSONALITY



- Enter the **【PERSONALITY】** mode to select DMX mode: **【TOUR】** **【TR16】** , **【ARC.1】** , **【AR1.D】** , **【ARC.2】** **【AR2.D】** , **【AR2.S】** , **【HSV】** .

3.8 EDITING CUSTOM PROGRAMS

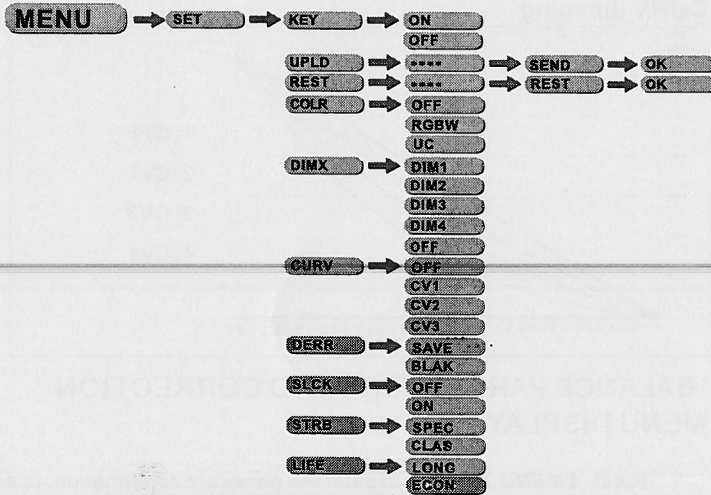


- Enter the **EDIT** mode to edit the custom programs **PR.01** to **PR.10**.
- Each custom program has 30 steps that can be edited.
- Each step allows the creation of a scene using **RED** **Red**, **GREEN** **Green**, **BLUE** **Blue**, **WHITE** **White**, **STRB** **Strb**, **TIME** **Time** & **FADE** **Fade**.

Effect Key

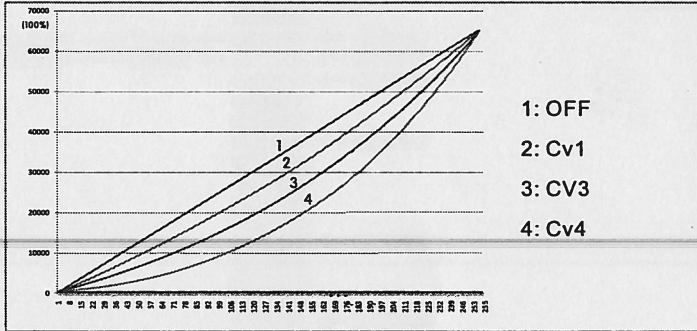
- **AT.01** ~ **AT.10** for selecting automatic programs. **PR.01** ~ **PR.10** for selecting custom programs.
- Effect Keys **KEY1** ~ **KEY6** are accessible with IR remote.
- Color Keys **CKY1** ~ **CKY2** are accessible with IR remote.

3.9 SPECIAL SETTINGS



- [SET]...this menu allows the user to adjust key operation settings for this fixture.
[KEY]...select [ON] for automatic lock-out. Password to re-enter the display is <UP> + <DOWN> + <UP> + <DOWN>.
- Select [UPLD] to upload the custom programs from the current MASTER unit to the SLAVE units.
- In order to reset custom modes to default values select [REST].
- [COLR] is for activate/unactivate the color calibration functions. When [RGBW] is selected, on RGB = 255,255,255, the color is displayed as calibrated in CAL2 -- RGBW. When [COLR] is set [OFF], on RGB = 255,255,255, the RGB values are not adjusted and the output is most powerful. When [UC] is selected, the RGB output are adjusted to a standard preset universal color which balances fixtures from different generations.
- Select [DIM1], [DIM2], [DIM3] or [DIM4] for different dimming speeds. ([DIM4] is the slowest dimming speed)
- [CURV] allows the user to adjust the shape of the dimming curve. See the CURV chart to understand more about actual dimming curves.
- [DERR] Choose [Save] in order to save the last DMX data in case of DMX signal error. Choose [Black] in order to blackout in case of DMX signal error.
- [SLCK] is used to lock the settings menu. When [SLCK] is set to [ON] then user must insert passcode (UP+DOWN+UP+DOWN) in order to access the settings menu.
- [STRB] This fixture allows for two different strobe personality settings, [CLAS] strobe or [SPEC] strobe. The [STRB] settings are only valid in the DMX personalities [TOUR], [AR2.S] and [Tr16]
- Battery use: Select [LONG] for extended life of 12 hours on full power or [ECON] for standard operating time of 10 hours.

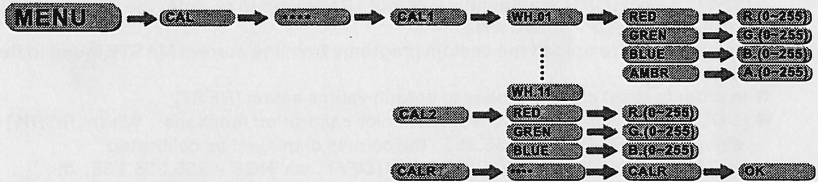
CURV dimming



3.10 BALANCE PARAMETERS AND CORRECTION MENU DISPLAY

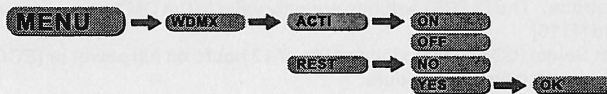
Press **[MENU]** button to enter the password confirmation, to enter the correct password < UP + DOWN + UP + DOWN >

Key, press the **[MENU]** in, the correct password will enter show submenu



- Enter the **[CAL1]** to select white color of different color temperature.
- There are 11 pre-programmed White colors can be edited by using **[Red]** , **[Green]** , **[Blue]** & **[White]** .
- Enter the **[CAL2]** to adjust the RGB parameter to make different whites.
- When the new setting is activated, the DMX controller choose RGB = 255,255,255 the white color will be made by the actual RGB values on the **[CAL2]** .

3.11 WDMX SETTINGS



- Enter **[WDMX]** menu to change WDMX settings
- Enter the **[ACTI]** menu to turn ON/OFF WDMX functionality
- Enter the **[REST]** menu to reset the WDMX pairing (note that only when the WDMX receiver card is reset can it be paired with a new WDMX transmitter card)

4 USING A DMX512 CONTROLLER

4.1 CHANNEL ASSIGNMENT

- Note: This product have many DMX512 channel configuration: TOUR / TR16 / ARC1 / AR1.D / ARC2 / AR2.D / AR2.S / HSV

TOUR

CHANNEL	VALUE	FUNCTION
1	0 ↔ 255	MASTER DIMMER
2	0 ↔ 255	RED (CH8 SELECT CUSTOM 01-10, CH2 CONTROL TIME)
3	0 ↔ 255	GREEN (CH8 SELECT CUSTOM 01-10, CH3 CONTROL FADE)
4	0 ↔ 255	BLUE
5	0 ↔ 255	AMBER
6		COLOR MACRO & WHITE
	0 ↔ 10	NO FUNCTION
	11 ↔ 30	RED 100% / GREEN UP / BLUE 0%
	31 ↔ 50	RED DOWN / GREEN 100% / BLUE 0%
	51 ↔ 70	RED 0% / GREEN 100% / BLUE UP
	71 ↔ 90	RED 0% / GREEN DOWN / BLUE 100%
	91 ↔ 110	RED UP / GREEN 0% / BLUE 100%
	111 ↔ 130	RED 100% / GREEN 0% / BLUE DOWN
	131 ↔ 150	RED 100% / GREEN UP / BLUE UP
	151 ↔ 170	RED DOWN / GREEN DOWN / BLUE 100%
	171 ↔ 200	RED 100% / GREEN 100% / BLUE 100% / AMBER 100%
		USE WHITE 1 WHITE 11 FROM MENU CAL 1 TO MAKE UP WHITE COLOR
	201 ↔ 205	WHITE1: 3200K
	206 ↔ 210	WHITE2: 3400K
	211 ↔ 215	WHITE3: 4200K
	216 ↔ 220	WHITE4: 4900K
	221 ↔ 225	WHITE5: 5600K
	226 ↔ 230	WHITE6: 5900K
	231 ↔ 235	WHITE7: 6500K
	236 ↔ 240	WHITE8: 7200K
	241 ↔ 245	WHITE9: 8000K
246 ↔ 250	WHITE10: 8500K	
251 ↔ 255	WHITE11: 10000K	

CHANNEL	VALUE	FUNCTION
7		SPECIAL STROBE
	0 ↔ 9	No strobe
	10 ↔ 99	Strobe (slow to fast)
	100 ↔ 109	No strobe
	110 ↔ 179	Lightning strobe (slow to fast)
	180 ↔ 189	No strobe
	190 ↔ 255	Random strobe (slow to fast)
		CLASSIC STROBE
	0 ↔ 9	0
	10 ↔ 19	1
	20 ↔ 29	2
	30 ↔ 39	3
	40 ↔ 49	4
	50 ↔ 59	5
	60 ↔ 69	6
	70 ↔ 79	7
	80 ↔ 89	8
	90 ↔ 99	9
	100 ↔ 109	10
	110 ↔ 119	11
120 ↔ 129	12	
130 ↔ 139	13	
140 ↔ 149	14	
150 ↔ 159	15	
160 ↔ 169	16	
170 ↔ 179	17	
180 ↔ 189	18	
190 ↔ 199	19	
200 ↔ 255	20	

CHANNEL	VALUE	FUNCTION
		AUTO
	0 ↔ 40	NO FUNCTION
	41 ↔ 50	AUTO01
	51 ↔ 60	AUTO02
	61 ↔ 70	AUTO03
	71 ↔ 80	AUTO04
	81 ↔ 90	AUTO05
	91 ↔ 100	AUTO06
8	101 ↔ 110	AUTO07
	111 ↔ 120	AUTO08
	121 ↔ 130	AUTO09
	131 ↔ 140	AUTO10
	141 ↔ 150	CUSTOM01
	151 ↔ 160	CUSTOM02
	161 ↔ 170	CUSTOM03
	171 ↔ 180	CUSTOM04
	181 ↔ 190	CUSTOM05
	191 ↔ 200	CUSTOM06
	201 ↔ 210	CUSTOM07
	211 ↔ 220	CUSTOM08
221 ↔ 230	CUSTOM09	
231 ↔ 255	CUSTOM10	
9		AUTO SPEED
	0 ↔ 255	Since the walking speed (slow to fast)
10		DIMMER SPEED
	0 ↔ 9	RETURN SETTINGS
	10 ↔ 29	NORMAL
	30 ↔ 69	DIM 1
	70 ↔ 129	DIM 2
	130 ↔ 189	DIM 3
	190 ↔ 255	DIM 4

TR16

CHANNEL	VALUE	FUNCTION
1	0 ↔ 255	MASTER DIMMER
2	0 ↔ 255	MASTER DIMMER FINE (CH13SELECT CUSTOM 01-10, CH2 CONTROL TIME)
3	0 ↔ 255	RED (CH13 SELECT CUSTOM 01-10, CH3 CONTROL FADE)
4	0 ↔ 255	RED FINE
5	0 ↔ 255	GREEN
6	0 ↔ 255	GREEN FINE
7	0 ↔ 255	BLUE
8	0 ↔ 255	BLUE FINE
9	0 ↔ 255	AMBER
10	0 ↔ 255	AMBER FINE
11		COLOR MACRO & WHITE
	0 ↔ 10	NO FUNCTION
	11 ↔ 30	RED 100% / GREEN UP / BLUE 0%
	31 ↔ 50	RED DOWN / GREEN 100% / BLUE 0%
	51 ↔ 70	RED 0% / GREEN 100% / BLUE UP
	71 ↔ 90	RED 0% / GREEN DOWN / BLUE 100%
	91 ↔ 110	RED UP / GREEN 0% / BLUE 100%
	111 ↔ 130	RED 100% / GREEN 0% / BLUE DOWN
	131 ↔ 150	RED 100% / GREEN UP / BLUE UP
	151 ↔ 170	RED DOWN / GREEN DOWN / BLUE 100%
	171 ↔ 200	RED 100% / GREEN 100% / BLUE 100% / AMBER 100%
		USE WHITE 1 / WHITE 11 FROM MENU CAL 1 TO MAKE UP WHITE COLOR
	201 ↔ 205	WHITE1: 3200K
	206 ↔ 210	WHITE2: 3400K
	211 ↔ 215	WHITE3: 4200K
	216 ↔ 220	WHITE4: 4900K
	221 ↔ 225	WHITE5: 5600K
	226 ↔ 230	WHITE6: 5900K
	231 ↔ 235	WHITE7: 6500K
	236 ↔ 240	WHITE8: 7200K
241 ↔ 245	WHITE9: 8000K	
246 ↔ 250	WHITE10: 8500K	
251 ↔ 255	WHITE11: 10000K	

CHANNEL	VALUE	FUNCTION
12		SPECIAL STROBE
	0 ↔ 9	No strobe
	10 ↔ 99	Strobe (slow to fast)
	100 ↔ 109	No strobe
	110 ↔ 179	Lightning strobe (slow to fast)
	180 ↔ 189	No strobe
	190 ↔ 255	Random strobe (slow to fast)
		CLASSIC STROBE
	0 ↔ 9	0
	10 ↔ 19	1
	20 ↔ 29	2
	30 ↔ 39	3
	40 ↔ 49	4
	50 ↔ 59	5
	60 ↔ 69	6
	70 ↔ 79	7
	80 ↔ 89	8
	90 ↔ 99	9
	100 ↔ 109	10
	110 ↔ 119	11
120 ↔ 129	12	
130 ↔ 139	13	
140 ↔ 149	14	
150 ↔ 159	15	
160 ↔ 169	16	
170 ↔ 179	17	
180 ↔ 189	18	
190 ↔ 199	19	
200 ↔ 255	20	

CHANNEL	VALUE	FUNCTION
		AUTO
	0 ↔ 40	NO FUNCTION
	41 ↔ 50	AUTO01
	51 ↔ 60	AUTO02
	61 ↔ 70	AUTO03
	71 ↔ 80	AUTO04
	81 ↔ 90	AUTO05
	91 ↔ 100	AUTO06
13	101 ↔ 110	AUTO07
	111 ↔ 120	AUTO08
	121 ↔ 130	AUTO09
	131 ↔ 140	AUTO10
	141 ↔ 150	CUSTOM01
	151 ↔ 160	CUSTOM02
	161 ↔ 170	CUSTOM03
	171 ↔ 180	CUSTOM04
	181 ↔ 190	CUSTOM05
	191 ↔ 200	CUSTOM06
	201 ↔ 210	CUSTOM07
	211 ↔ 220	CUSTOM08
	221 ↔ 230	CUSTOM09
231 ↔ 255	CUSTOM10	
14		AUTO SPEED
	0 ↔ 255	Since the walking speed (slow to fast)
15		DIMMER SPEED
	0 ↔ 9	RETURN SETTINGS
	10 ↔ 29	NORMAL
	30 ↔ 69	DIM 1
	70 ↔ 129	DIM 2
	130 ↔ 189	DIM 3
	190 ↔ 255	DIM 4

ARC1

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	RED
2	0 ⇔ 255	GREEN
3	0 ⇔ 255	BLUE

AR1.D

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	DIMMER
2	0 ⇔ 255	RED
3	0 ⇔ 255	GREEN
4	0 ⇔ 255	BLUE

ARC2

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	RED
2	0 ⇔ 255	GREEN
3	0 ⇔ 255	BLUE
4	0 ⇔ 255	AMBER

AR2.D

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	DIMMER
2	0 ⇔ 255	RED
3	0 ⇔ 255	GREEN
4	0 ⇔ 255	BLUE
5	0 ⇔ 255	AMBER

AR2.S

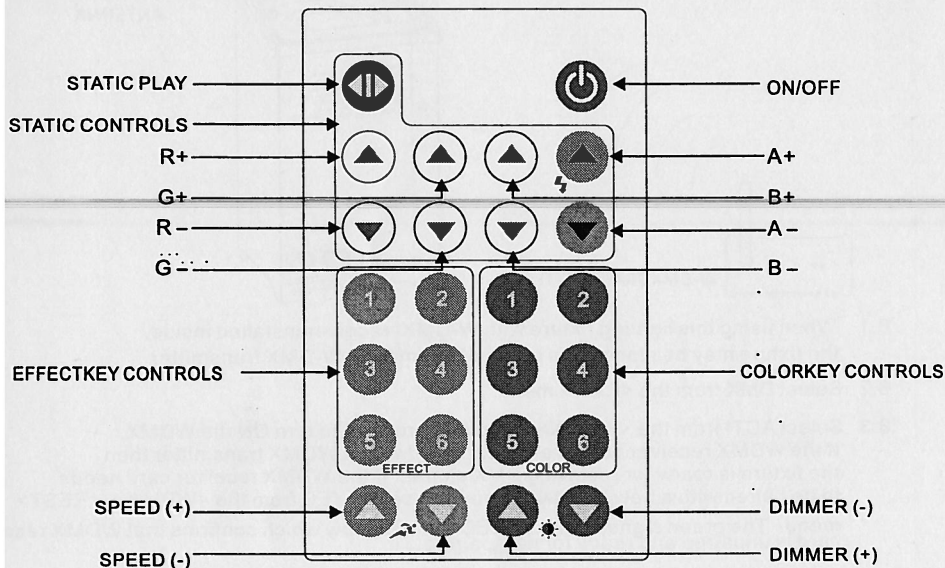
CHANNEL	VALUE	FUNCTION
1	0 ↔ 255	DIMMER
2	0 ↔ 255	RED
3	0 ↔ 255	GREEN
4	0 ↔ 255	BLUE
5	0 ↔ 255	AMBER
6	0 ↔ 255	STROBE 2

HSV

CHANNEL	VALUE	FUNCTION
1	0 ↔ 255	HUE
2	0 ↔ 255	SATURATION
3	0 ↔ 255	VALUE

5 EASYPLAY REMOTE CONTROL

5.1 KEY FUNCTIONS



5.2 STATIC CONTROLS

- Select the [STATIC PLAY] key to enter the [STATIC] play mode.
- Adjust [STATIC] play using [RED], [GREEN], [BLUE] and [STROBE].
- Adjust light level using the [DIMMER] keys.

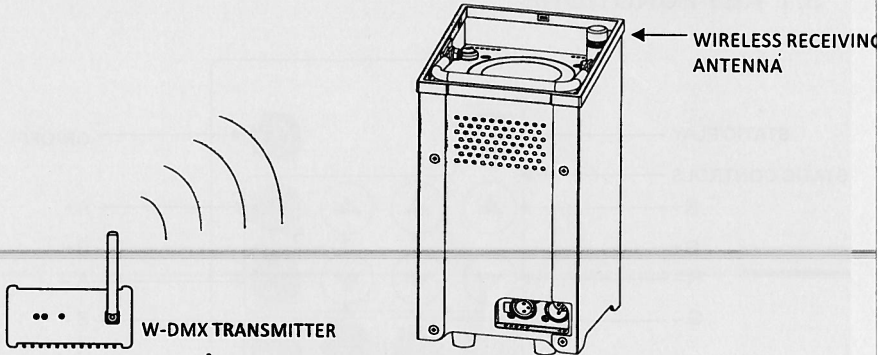
5.3 EFFECT CONTROLS

- Select from [EFFECTKEY 01] to [EFFECTKEY 06] to play required play function (see section 2.3.3 for further information on how to patch [EFFECTKEY])
- Select [SPEED (+)] or [SPEED (-)] to adjust speed play function.
- It is not possible to adjust the light level of the EFFECT programs using the [DIMMER] keys.

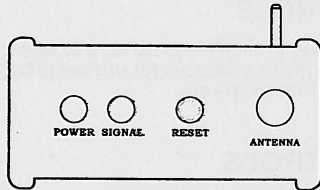
5.4 COLOR CONTROLS

- Select from [COLORKEY 01] to [COLORKEY 06] to play required pre-set color (see section 2.3.3 for further information on how to create/edit [COLORKEY])
- Adjust light level using the [DIMMER] keys.
- Edit colors by press & holding a [COLORKEY] until lighting fixtures flash, then adjust using [RED], [GREEN], [BLUE], [STROBE] and [DIMMER] keys. (exit by selecting any other key)

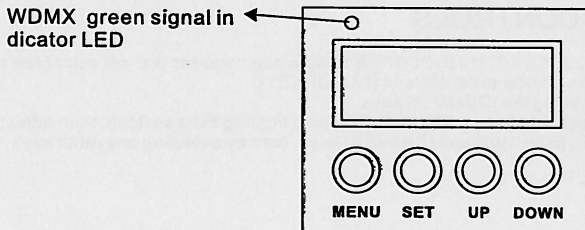
6 OPERATION WITH WIRELESS DMX



- 6.1 When using this lighting fixture with W-DMX receiver installed inside, the fixture may be placed at a range of 300m from W-DMX transmitter
- 6.2 Select DMX from the <RUN> menu.
- 6.3 Select ACT1 from the <WDMX> menu and proceed to turn ON the WDMX. If the WDMX receiver card is already paired with a WDMX transmitter then the fixture is ready for receiving DMX signal. If the WDMX receiver card needs to be paired with a new WDMX transmitter, select YES from the <WDMX>/<REST> menu. The green signal indicator LED will not show which confirms that WDMX receiver card is unpaired and ready for new pairing..
- 6.4 By pressing the RESET button on W-DMX transmitter, transmitter will search for RESET lighting fixtures. During search transmitter green SIGNAL indicator will flash. After pairing with lighting fixture green SIGNAL indicator will display.



- 6.5 Once a lighting fixture has been paired with a W-DMX transmitter, the green SIGNAL indicator will display. Once a lighting fixture has been paired with a W-DMX transmitter, the lighting fixture cannot be paired with another W-DMX transmitter. If a lighting fixture requires pairing with a new W-DMX transmitter, steps 5.3 and 5.4 must be repeated.

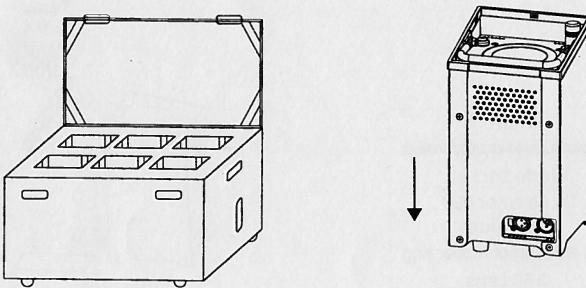


7 BATTERY CHARGING

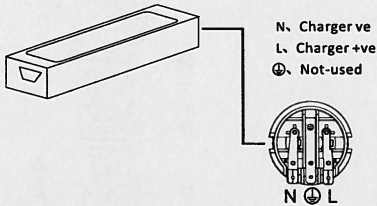
7.1 FLIGHTCASE SPECIFICATIONS

Voltage: AC100-240V, 50,60Hz
Rated Power: 300W
Weight: 28.5KG
Dimensions: 670x 405 x 585mm

7.2: FLIGHTCASE WITH CHARGER

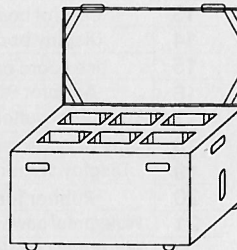


7.3 CHARGER SPECIFICATIONS



Voltage: AC100-240V, 50/60Hz
Output: DC24V, 2A
LED: $\leq 200\text{mA}$

7.4: THE FLIGHTCASE MUST HAVE THE HOOD OPEN WHEN CHARGING.



7.5 IMPORTANT FACTS:

HOW TO CARE FOR YOUR BATTERY!

CHARGING

- DO NOT CHARGE FOR MORE THAN 24HRS
- RECHARGE WITHIN 3 DAYS OF USE
- CHARGE WITH FLIGHTCASE OPEN

STORING

- STORE WITH FULL LOAD
- TURN OFF AT BASE WHEN STORING FOR MORE THAN 7 DAYS
- STORE IN AN UPRIGHT POSITION

8 APPENDIX

8.1 PARTS DIAGRAM

NO	ITEM
1	Take indicator light waterproof button switch
2	Diode socket
3	Three color LED
4	Clear glass
5	Lens waterproof rubber ring
6	Φ80 Lens
7	LED board
8	Copper water joint
9	SS337 Lithium battery components
10	Wireless receiver PCB
11	Driver board
12	Isolation sheet
13	Control board
14	Display board
15	Line board base
16	Adaptor PCB
17	Waterproof button switch
18	Power connector reds (male)
19	Display screen lens
20	Rubber foot
21	Waterproof power switch
22	Watertight strain relief
23	Infrared receiving head
24	Waterproof antenna
25	10° frosted flakes
26	Rubber cover

