

1.3 SAFETY WARNING

IMPORTANT

[ALWAYS READ THE USER MANUAL BEFORE OPERATION.]
[PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.]

- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- DO NOT stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.
- Do not touch the power cables if your hands are wet.

ATTENTION

- Do not operate in a sealed enclosure with insufficient air flow
- Do not operate in an environment with temperatures in excess of 45deg. C.
- Do not operate store in close proximity to source of fire.
- Always charge with supplied charger
- Do not charge for more than 24 hours
- Always turn off battery storage switch when storing for longer than 7 days
- Always store with full load
- Always charge with flightcase open
- Always carry out one full discharge and charge cycle every 3 months
- Always store in a dry environment away from direct sunlight

2 GETTING STARTED

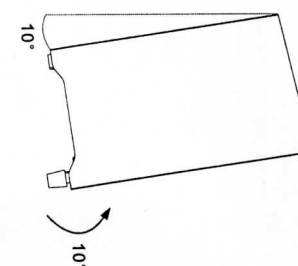
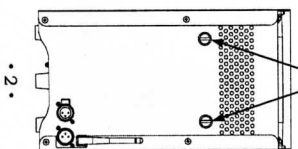
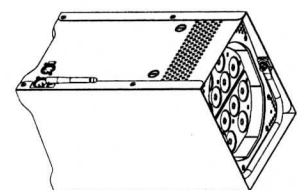
2.1 OPERATING POSITION

- This lighting fixture is powered using a sealed lead acid battery which requires that the correct product orientation is always maintained for operation, storage and charging.

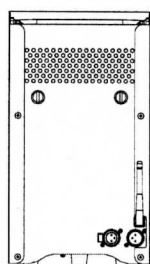
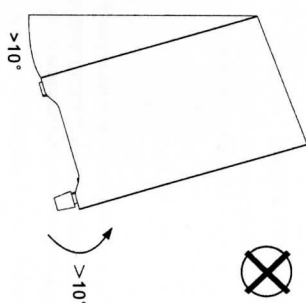
Upright operation

Adjust light direction

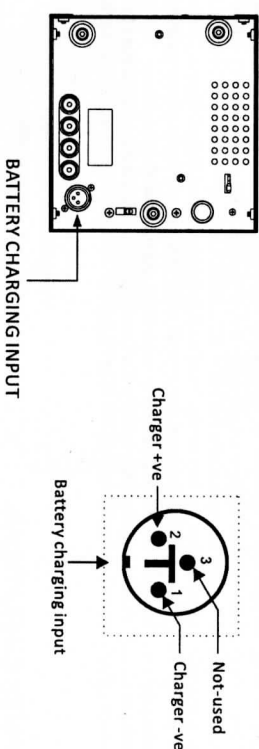
Adjust operating angle: 10°



Incorrect operating angle

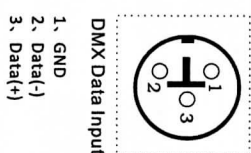
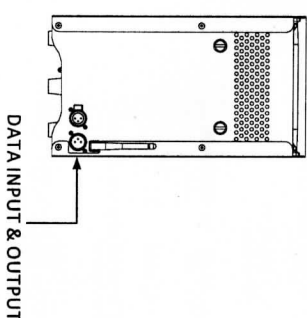


2.2 BATTERY CHARGING INPUT



- DO NOT connect DMX
- Only for specified charger (in flight case or single charger)
- DO NOT connect any other data cables

2.3 DATA INPUT & OUTPUT



- DO NOT connect power
- Only for DMX data connection
- Data input cannot be used at the same time as the wireless data receiver

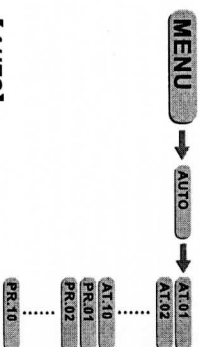
3.3 EDIT STATIC COLOUR



[STATIC COLOUR]

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

3.4 ACTIVATING AUTO PROGRAMS



[AUTO]

- 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 DMX512 SETTINGS



[DMX]

- Enter the **[DMX]** mode to set the DMX ADDRESS.

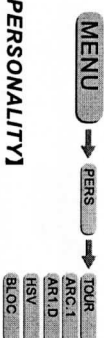
3.6 RUN MODE



[RUN]

- 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.

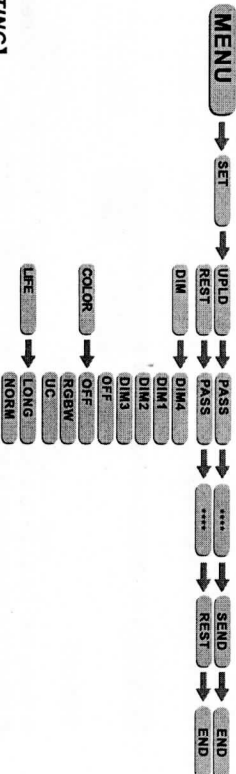
3.7 PERSONALITY



[PERSONALITY]

- Enter the **[PERSONALITY]** mode to select DMX mode: **[TOUR]**, **[ARC.1]**, **[ARTID]**, **[HSV]** or **[BLOC]**.

3.8 SPECIAL SETTINGS



[SETTING]

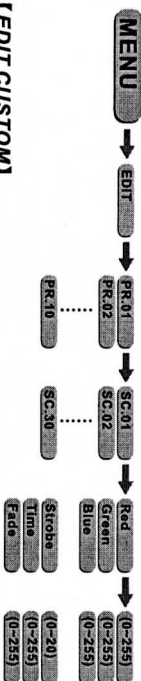
- Select **[UPLO]** to upload the custom programs from the current MASTER unit to the SLAVE units.
- In order to activate the upload function the password must be entered.
- Password is the same as the main access password.
- When uploading the MASTER and SLAVE units will display YELLOW.
- If an error occurs when uploading the MASTER and/or SLAVE units will display RED.
- On successful uploading of the custom programs the MASTER and SLAVE units will display GREEN.
- In order to reset custom modes to default values select **[REST]**.
- **[COLOR]** 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 **[COLOR]** 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..

- **[LIFE]** BATTERY LIFE : LONG for extended battery operation (approx. 12hrs), NORM for standard battery operation (approx. 10hrs).

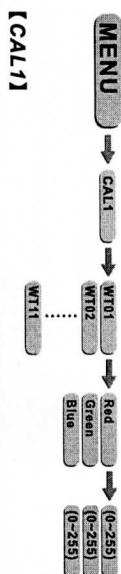
3.9 EDITING CUSTOM PROGRAMS



[EDIT CUSTOM]

- 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]**, STROBE **[Strobe]**, TIME **[Time]** & FADE **[Fade]**.

3.10 WHITES CALIBRATION



- 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]**.

3.11 RGB CALIBRATION



- 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]**.

3.12 WDMX SETTINGS



[WDMX]

- 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)

3.13 ACTIVATE THE PASSWORD



[KEY]

- Enter the **[KEY]** mode to select whether the access password is on or off.
- When the fixture is set as PASS **[ON]**, after 30 seconds or turn on the fixture next time, the fixture will need an access password to enter the display menu control.

Note: The factory access password is **[UP] + [DOWN] + [UP] + [DOWN]**, then press **[ENTER]** to confirm the access.

4 USING A DMX512 CONTROLLER

4.1 BASIC ADDRESSING

- Set the DMX512 address in the **[DMX]** menu.
- It is possible to have the same DMX address or independent addresses for each fixture.

4.2 CHANNEL ASSIGNMENT

- **Note:** This product has six DMX512 channel configurations: **[TOUR]**, **[ARC.1]**, **[AR1.D]**, **[AR1.S]**, **[HSV]** and **[BLOC]**.

TOUR

CHANNEL	VALUE	FUNCTION
1	0 ↔ 255	MASTER DIMMER
2	0 ↔ 255	MODULE1 RED (or STEP TIME when CUS-01-CUS, 10 in CH10 is activated)
3	0 ↔ 255	MODULE1 GREEN (or FADE TIME when CUS-01-CUS, 10 in CH10 is activated)
4	0 ↔ 255	MODULE1 BLUE
5	0 ↔ 255	MODULE2 RED
6	0 ↔ 255	MODULE2 GREEN
7	0 ↔ 255	MODULE2 BLUE
8	0 ↔ 5	NO FUNCTION
	11 ↔ 30	RED100%/GREEN UP/BLUE0%
	31 ↔ 50	RED DOWN/GREEN 100%/BLUE0%
	51 ↔ 70	RED 0%/GREEN 100%/BLUE UP
	71 ↔ 90	RED 0%/GREEN DOWN/BLUE 100%
	91 ↔ 110	RED UP/GREEN 0%/BLUE100%
	111 ↔ 130	RED100%/GREEN 0%/BLU EDOWN
	131 ↔ 150	RED100%/GREEN UP/BLUE UP
	151 ↔ 170	RED DOWN/GREEN DOWN/BLUE 100%
	171 ↔ 200	RED100%/GREEN 100%P/BLUE100%
	201 ↔ 205	WHITE1, 3200K
	206 ↔ 210	WHITE2, 3400K
	211 ↔ 215	WHITE3, 4200K
	216 ↔ 220	WHITE4, 4900K

通道	数值	控制功能
8	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
9	0↔10	STROBE
	11↔255	NO FUNCTION 1-20Hz
10	0↔40	AUTO NO FUNCTION
	41↔50	AUTO 1
	51↔60	AUTO 2
	61↔70	AUTO 3
	71↔80	AUTO 4
	81↔90	AUTO 5
	91↔100	AUTO 6
	101↔110	AUTO 7
	111↔120	AUTO 8
	121↔130	AUTO 9
	131↔140	AUTO 10
	141↔150	PR.01
	151↔160	PR.02
	161↔170	PR.03
	171↔180	PR.04
11	181↔190	PR.05
	191↔200	PR.06
	201↔210	PR.07
	211↔220	PR.08
	221↔230	PR.09
	231↔255	PR.10
		AUTO SPEED ADJUSTMENT
12	0↔255	When using CH10, AUTO01-AUTO10, this function activated
		DIMMER SPEED
	0↔9	PRESET DIMMER SPEED FROM DISPLAY MENU
	10↔29	LINEAR DIMMER
	30↔69	NON LINEAR DIMMER 1 (fastest)
	70↔129	NON LINEAR DIMMER 2
	130↔189	NON LINEAR DIMMER 3
	190↔255	NON LINEAR DIMMER 4 (slowest)

ARC.1

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

AR1.D

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

AR1.S

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

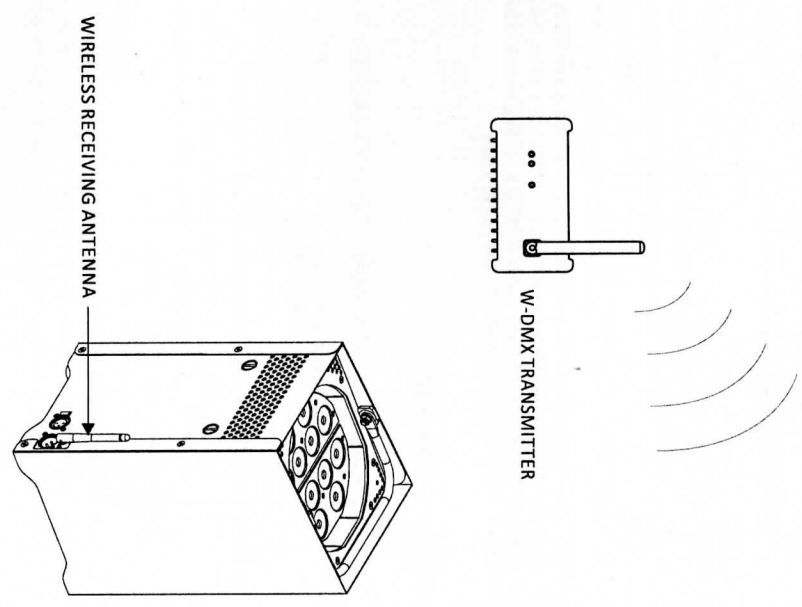
HSV

CHANNEL	VALUE	FUNCTION
1	0↔255	HUE(0-100%)
2	0↔255	SATURATION(0-100%)
3	0↔255	VALUE(0-100%)

BLOCK

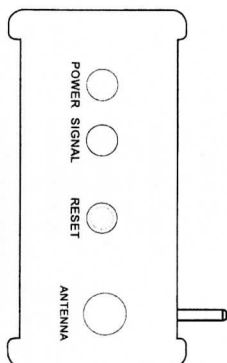
CHANNEL	VALUE	FUNCTION
1	0 ↔ 255	MODULE1 RED
2	0 ↔ 255	MODULE1 GREEN
3	0 ↔ 255	MODULE1 BLUE
4	0 ↔ 255	MODULE2 RED
5	0 ↔ 255	MODULE2 GREEN
6	0 ↔ 255	MODULE2 BLUE

5 OPERATION WITH WIRELESS DMX



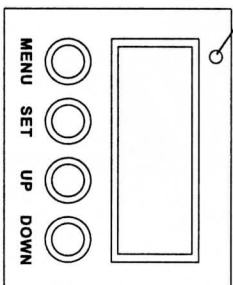
- 5.1 When using this lighting fixture with W-DMX receiver installed inside, the fixture may be placed at a range of 300m from W-DMX transmitter
- 5.2 Select DMX from the <RUN> menu.
- 5.3 Select ACT1 from the <WDMX> menu and proceed to turn ON the WDMX. If the WDMX receiver card is already paired with 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..

- 5.4 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.



- 5.5 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.

WDMX green signal indicator LED



6 BATTERY CHARGING

6.1 BATTERY SPECIFICATIONS:

Voltage: 12V

Storage Capacity: 24Ahrs

Charge Time: 12hrs

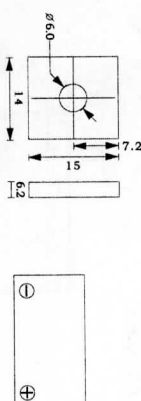
Discharge Time: 10hrs (in fixture at full output)

Charging Life: 680 cycles (50% power discharge)

Weight: 8Kg

Dimensions: 175 x 166 x 125mm

TERMINAL:



6.2 SPECIAL CONSIDERATIONS:

Charging

- Do not charge for more than 24 hours
- Always charge with flightcase open
- It is recommended to charge at a temperature between 15C to 25C
- Always recharge within 7 days of use
- Always charge with supplied charger

Operation

- Recommended ambient temperature is between 10C to 40C
- Always use fixture in a vertical or near-vertical position (<30deg. from vertical)
- Do not operate in a sealed enclosure with insufficient air flow

Storage

- Always store at a temperature below 40C (below 25C is best)
- Always store in a vertical position
- Always store fully charged
- It is important to carry out one full discharge and charge cycle every 3 months
- Always use the battery storage switch when storing for longer than 7 days
- Store in a dry environment away from direct sunlight

Maintenance

- Always switch off the battery storage switch when carrying out maintenance
- Do not allow battery contacts come into contact with fixture housing
- Do not link the positive and negative terminals in any way