

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

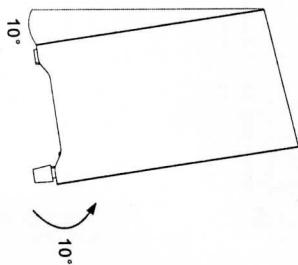
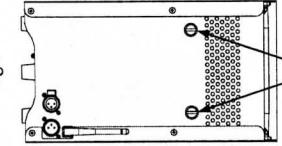
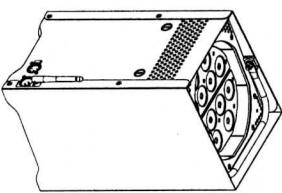
2.1 OPERATING POSITION

- 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.

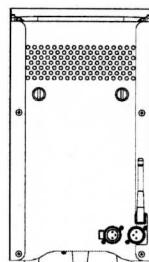
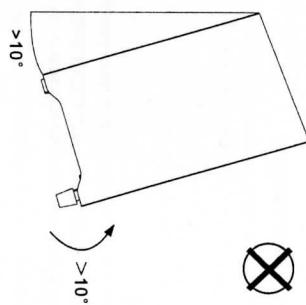
Upright operation

Adjust light direction

Adjust operating angle: 10°

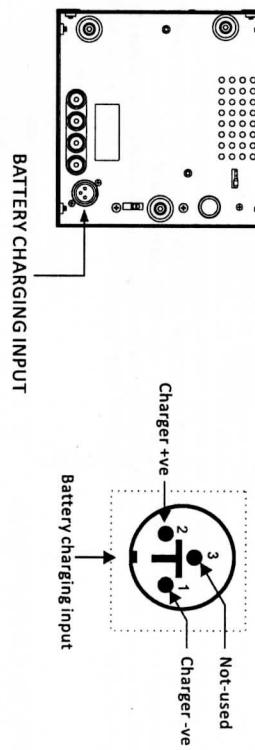


Incorrect operating angle



2.3 DATA INPUT & OUTPUT

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



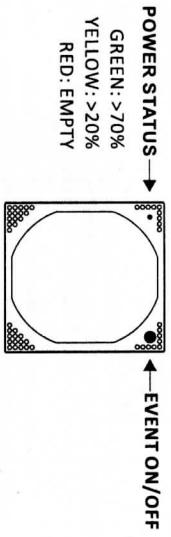
- DO NOT connect power
- Only for DMX data connection
- Data input cannot be used at the same time as the wireless data receiver

2.4 GENERAL OPERATION

3 USING THE MENU

3.1 BASIC

The LED fixture is mounted with a LCD display
And 4 control buttons.



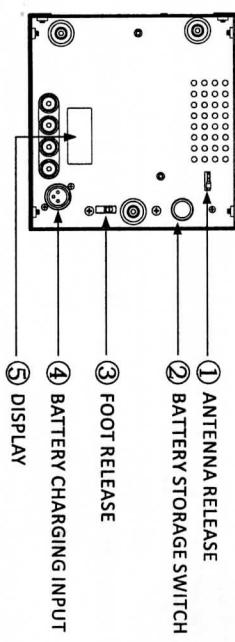
2.4.1 ON/OFF switch

- 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)

2.4.2 POWER STATUS

- During operation, the POWER STATUS indicator will indicate the amount of battery power that is remaining. The battery should be recharged when RED is shown.
- During charging, the POWER STATUS indicator will indicate the amount of battery power that has been charged to the battery. When the battery is fully charged the GREEN LED will immediately switch off.
- In the event that the battery storage switch is OFF, it is not possible to charge the battery. In this case, when the mains power is connected to the fixture, the POWER STATUS indicator will show GREEN for 30 seconds and then fade out. This shows that electrical contact has been made between the lighting fixture and the battery charging system. The BATTERY STORAGE SWITCH must be ON in order to charge the battery.
- In order to check the current status of the battery, the battery charging system should be turned OFF. The fixture can then be turned ON using the EVENT ON/OFF button and the POWER STATUS can be checked.

2.5 OTHER OPERATIONS



2.5.1 ANTENNA RELEASE

- When releasing support antenna with hand

2.5.2 BATTERY STORAGE SWITCH

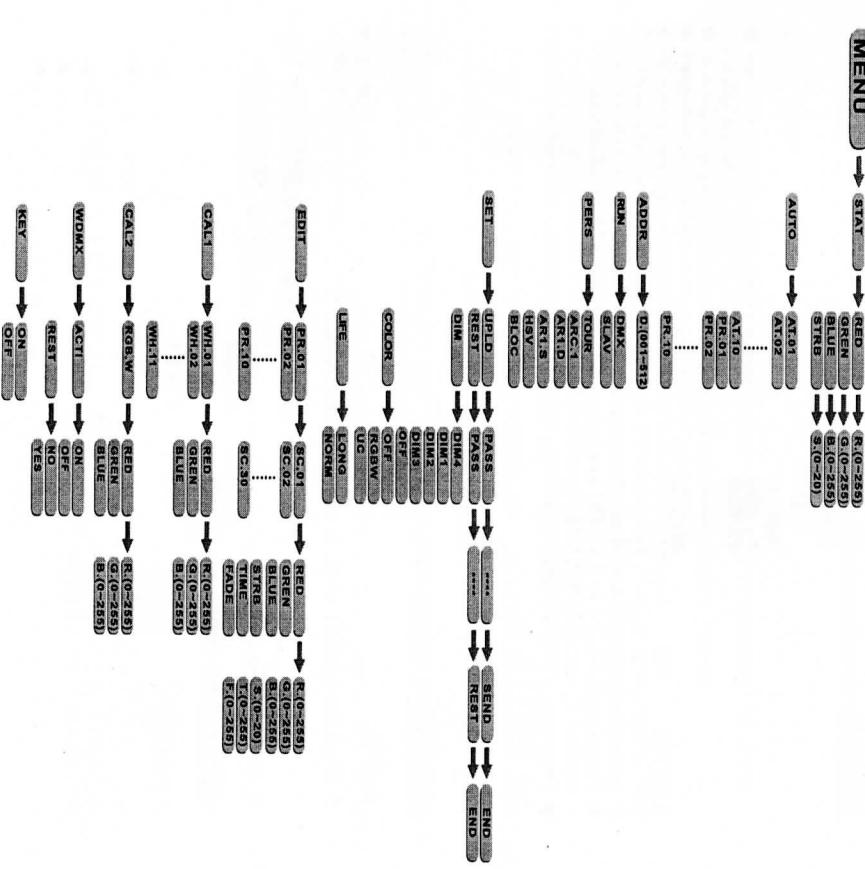
- ON FOR OPERATION/CHARGING
- OFF FOR STORAGE (>7 DAYS)
- OFF FOR MAINTENANCE
- Always use the BATTERY STORAGE SWITCH when storing for more than 7 days
- BATTERY STORAGE SWITCH must be ON for operation and charging

2.5.3 FOOT RELEASE

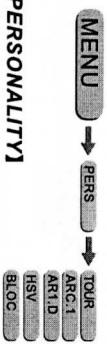
- Foot release allows for up to 10° of tilt
- Foot position must be up for mounting in flight case

- [MENU] scroll through the main menu or return to the main menu
- [ENTER] enter the currently selected menu or confirm the current function value
- [UP] scroll 'UP' through the menu list or increase the value of the current function
- [DOWN] scroll 'DOWN' through the menu list or decrease the value of the current function

3.2 MENU

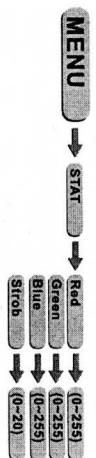


3.7 PERSONALITY



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

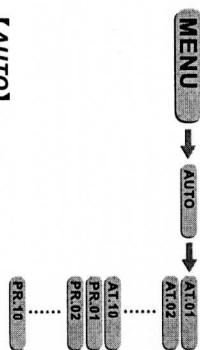
3.3 EDIT STATIC COLOUR



【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.

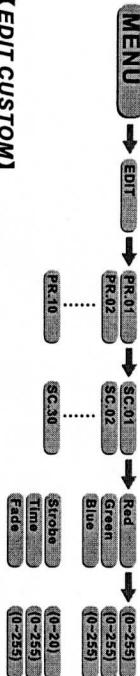
3.6 RUN MODE



【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.

3.9 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 [Strob], TIME [Time] & FADE [Fade].

3.10 WHITES CALIBRATION

MENU → **CAL1** → **WT01** → **Red** → **(0~255)**
WT02 → **Green** → **(0~255)**
WT11 → **Blue** → **(0~255)**

[CAL1]

- 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

MENU → **CAL2** → **RGBW** → **Red** → **(0~255)**
Green → **(0~255)**
Blue → **(0~255)**

[CAL2]

- 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

MENU → **WDMX** → **ACT1** → **ON**
REST → **OFF**
NO → **YES**

[WDMX]

- Enter **[WDMX]** menu to change WDMX settings
- Enter the **[ACT1]** 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

MENU → **KEY** → **ON**
OFF

[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
9	11↔30	RED 100% / GREEN UP / BLUE 0%
10	31↔50	RED DOWN / GREEN 100% / BLUE 0%
11	51↔70	RED 0% / GREEN 100% / BLUE UP
12	71↔90	RED 0% / GREEN DOWN / BLUE 100%
13	91↔110	RED UP / GREEN 0% / BLUE 100%
14	111↔130	RED 100% / GREEN 0% / BLUE DOWN
15	131↔150	RED 100% / GREEN UP / BLUE UP
16	151↔170	RED DOWN / GREEN DOWN / BLUE 100%
17	171↔200	RED 100% / GREEN 100% / BLUE 100%
18	201↔205	WHITE1: 3200K
19	206↔210	WHITE2: 3400K
20	211↔215	WHITE3: 4200K
21	216↔220	WHITE4: 4900K

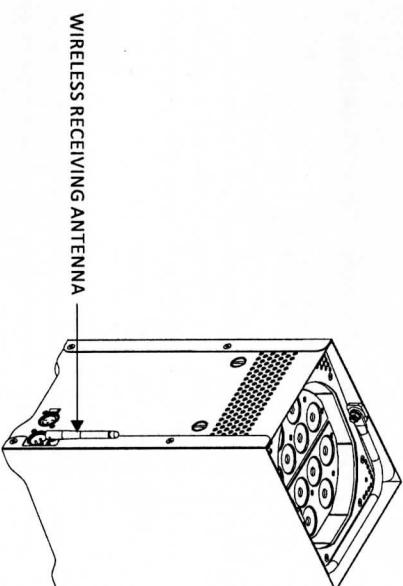
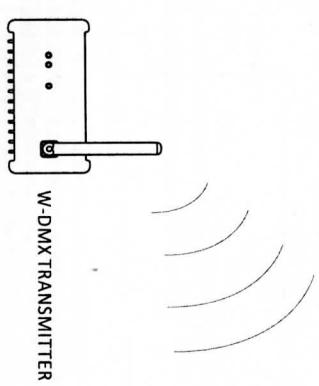
通道	数值	控制功能
8	221↔225 226↔230 231↔235 236↔240 241↔245 246↔250 251↔255	WHITE5: 5600K WHITE6: 5900K WHITE7: 6500K WHITE8: 7200K WHITE9: 8000K WHITE10: 8500K WHITE11: 10000K
9	0↔10 11↔255 1-20Hz	STROBE NO FUNCTION
10	0↔40 41↔50 51↔60 61↔70 71↔80 81↔90 91↔100 101↔110 111↔120	AUTO NO FUNCTION AUTO 1 AUTO 2 AUTO 3 AUTO 4 AUTO 5 AUTO 6 AUTO 7
11	0↔255 When using CH10/AUTO01-AUTO10, this function activated	AUTO SPEED ADJUSTMENT

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

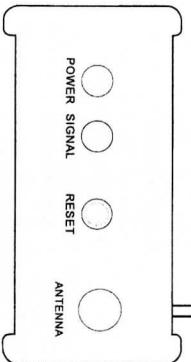


- 5.1 When using this lighting fixture with W-DMX receiver installed inside, the fixture may be placed at a range of 300m from W-DMX transmitter
- 5.2 Select DMX from the <RUN> menu.
- 5.3 Select ACT1 from the <WDMX> menu and proceed to turn ON the WDMX. If the WDMX receiver card is already paired with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

6 BATTERY CHARGING

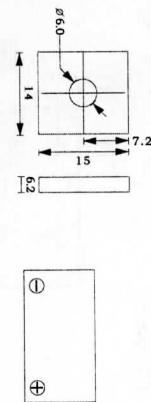
6.1 BATTERY SPECIFICATIONS:



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.

TERMINAL:

 Dimensions: 175 x 166 x 125mm
 Voltage: 12V
 Storage Capacity: 24Ah
 Charge Time: 12hrs
 Discharge Time: 10hrs (in fixture at full output)
 Charging Life: 680 cycles (50% power discharge)
 Weight: 8Kg



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