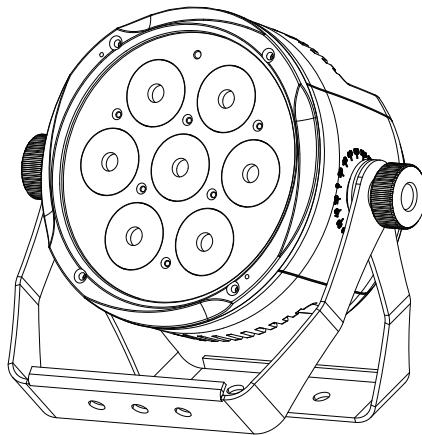# SHOWPRO

Hue Par

SHWPAR110
RGBWAUV - IP20

User Manual

Packaging: Thank you for purchasing the Hue Par. Before operating, please check the fixture to ensure that no damage has occurred during transit. If damage is found, or the light operates abnormally, please contact the distributor for further instructions.

Overview: The Hue Par has four operating modes:
The Hue Par has four operating modes:
- DMX Mode
- Auto Mode
- Master/Slave Mode
-Sound Mode
There are four DMX modes: 7,9,12&19 channel
In addition if you daisy chain fixtures together in DMX mode and set one in Auto Mode and the others in Master/Slave Mode, the fixtures in Master/Slave Mode will follow the fixture in Auto Mode

SAFETY AND HANDLING
Before operating the Expo Bar, read the manual carefully. Always make sure to include the manual if you pass/rent/sell the unit to another user. This manual cannot address all possible dangers and working environments. Please use your own caution when operating. This product is for professional use only, not household use.

• Do not operate this unit in areas with high ambient temperatures. It will cause abnormal function or damage.
• Always use a suitable safety wire when rigging the light overhead.
• Connect the safety wire to the intended safety mount.
• Always follow local safety requirements.

• Only qualified technicians may repair this product.
• Do not open the product housing.
• Do not supply power if the fixture is damaged.

• Do not look directly into the light source.
• Looking into the light source can cause damage to your eyes.
• Do not look at the light source with a magnifying glass or any other optical instrument that may concentrate the light output.

• The housing of the fixture can become hot. It can reach up to 70°C during normal operation.
• Ensure that accidental physical contact cannot occur with the fixture.
• Only install in well ventilated locations.
• Do not cover the fixture.

• At end of life, dispose the unit responsibly in accordance to local regulations or procedures.
• The packaging is recyclable.

Troubleshooting

The fixture and display turns on, but the LED engine does not emit.
The fixture could be set to BLACKOUT mode or set to DMX Hold and isn't receiving a valid signal. Verify if receiving DMX. Perform a Factory Reset.

The fixture is not working correctly- it does not output the colour or effect it should be.
Check that the DMX address and mode is set correctly. Ensure that the fixture is receiving DMX. Otherwise perform a Factory Reset.

The fixture still cannot be controlled, or not as expected after Factory Reset.
Run DMX directly to the fixture, not part of a daisy chain. Power cycle the fixture by removing the power. If the issue still occurs, contact distributor.

Features

OPTICS

● Light Source: 7 x 10W 6 in 1 RGBWAUV LED

● Beam Angle: 25°

● DMX Channel: 7, 9, 12 & 19 CH

ELECTRICAL

● Power consumption: 70W

● Voltage: AC 110 - 240V, 50/60Hz

EFFECT

● Dimming 0-100%with regulated constant color control

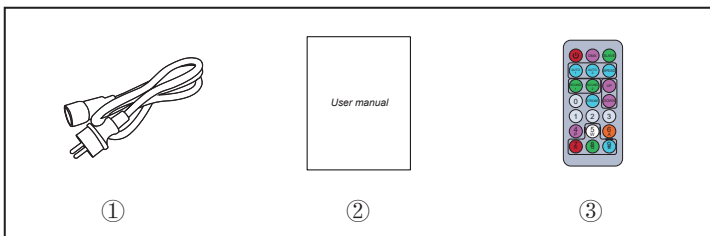● Strobe: 10 Flashes per second (any color)

CONTROL

● Operation Mode： DMX 512,Manual.sound.internal program

● Control panel: Digital 4 characters alphanumeric

PHYSICAL

● Material: Aluminum body

● TFT Display with four buttons

● Dimensions: 258x 190x 208mm

● Weight: 2.5kg

● IP Rating: IP20

Accessory

① Power cable x 1

② User manual x 1

③ IR Remote x 1

Display Introduction
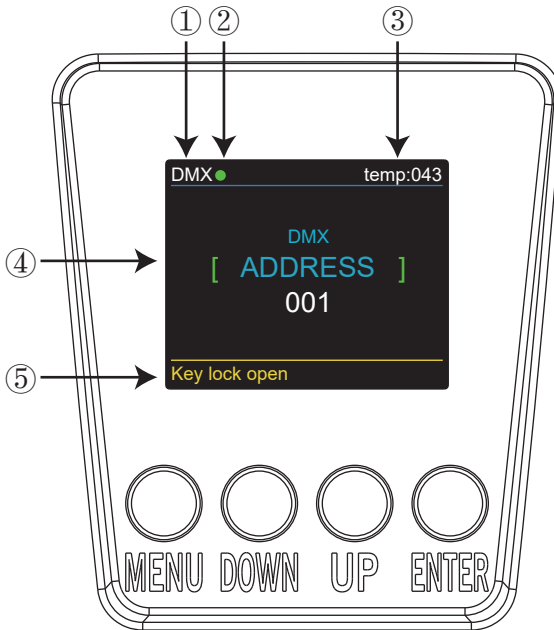
1.Indicates if you are in DMX mode or in SLAVE mode. Will display either DMX or SLAVE.

2.Displays the condition of signal being transmitted. Green is connected. Red is disconnected.

3.The temperature of the fixture.

4.The current menu selection.

5.Status of the key lock.

Menu Structure

```
                          ┌─ 001
          DMX Address ────┤
                          └─ 512

                          ┌─ 07
                          ├─ 09
          Channel Mode ───┤
                          ├─ 12
                          └─ 19

                          ┌─ Linear
                          ├─ Square Law
          Dim Curve ──────┤
                          ├─ Inv.Squ.Law
                          └─ S-Curve

                          ┌─ DMX Hold
  MENU    DMX State ──────┤
                          └─ Black out

          Slave Mode ───── Slave

                          ┌─ auto ──── 1-10
          Auto Mode ──────┤
                          └─ speed ─── 1-31

                          ┌─ Sound ─── 1-10
          Sound Mode ─────┤
                          └─ Sens ──── 1-31
```
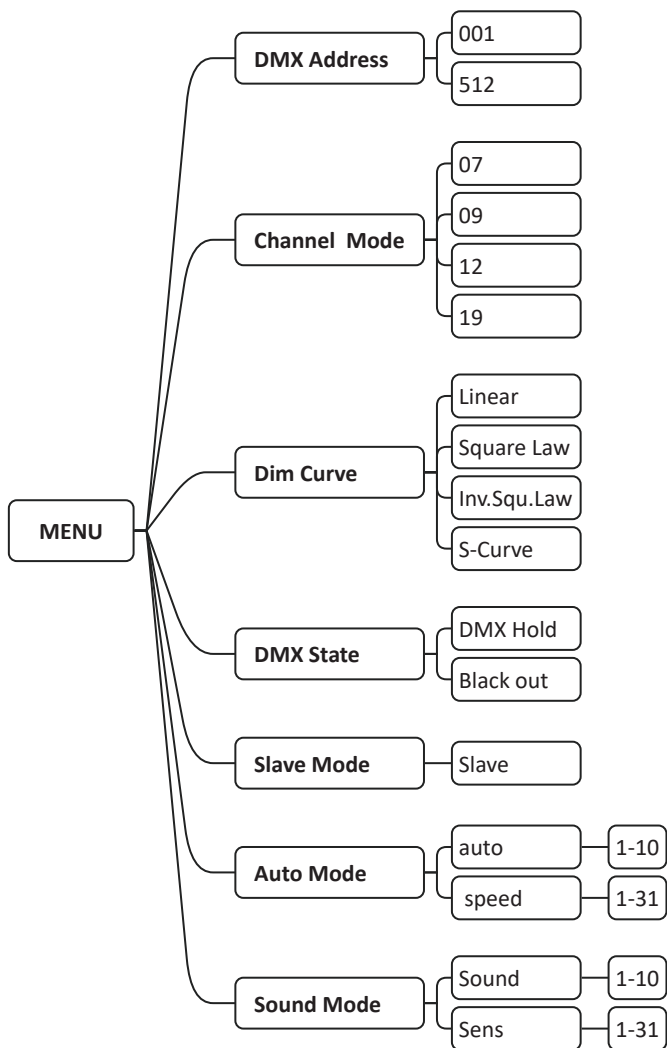
06

```
MENU
├── Manual mode
│   ├── Red ────────┐
│   ├── Green        │
│   ├── Blue         ├── 0-255
│   ├── White        │
│   ├── Amber        │
│   ├── UV ──────────┘
│   ├── Strobe ───── 0-20
│   └── COLOR ────── 1-55
│
├── Set Up
│   ├── Dimmer all ── 0-255
│   ├── Balance
│   │   ├── Red ──────┐
│   │   ├── Green      │
│   │   ├── Blue       ├── 000-255
│   │   ├── White      │
│   │   ├── Amber      │
│   │   └── UV ────────┘
│   ├── Key Lock ──── off/on
│   ├── Remote ────── off/on
│   ├── Display ───── 30s/on
│   ├── Fan mode ──── Auto/Silent
│   ├── Reset ─────── +/-/+/-/Enter
│   ├── Refresh Rate
│   │   ├── 600HZ
│   │   ├── 1200HZ
│   │   ├── 2400HZ
│   │   ├── 4800Hz
│   │   ├── 9600Hz
│   │   └── 15000Hz
│   └── Max Temp ──── 30-70°C
│
└── Information
    ├── Software ver V1.6
    ├── Working Time ── 00000H-01m
    └── RDM UID  0x010E
```

DMX Address: In this mode you control the lights with an external controller outputting DMX512 protocol. Press ENTER button and use the UP or DOWN buttons until "DMX ADDRESS " is displayed. Press the ENTER button, "xxx" will appear. "x" represents the current address set. Use UP or DOWN to set the desired address (001-512).

Channel Mode:Press ENTER and use UP or DOWN buttons until "CHANNEL MODE " is displayed. Press ENTER,
"Channel [xx]" will appear. "x" represents the current DMX channel mode. Use the UP or DOWN buttons to select your desired Channel mode(07,09,12,19)

Dimmer curve - In this menu, you can select a desired dimmer curve.
1. Press "ENTER" button and then UP or DOWN button until "DMX CURVE" is shown.
2. Press "ENTER" button, and use the UP or Down buttons to select a curve. Press ENTER to confirm.

DMX State: In this menu, you can adjust the DMX state (DMX HOLD, BLACK OUT)
(1) DMX HOLD – You can keep the DMX mode;
(2) BLACKOUT - Blackouts DMX mode to have another mode active.

SLAVE MODE - In this menu, you can select one
light as the MASTER light and others to be in SLAVE mode. Fixtures in SLAVE mode will follow the MASTER light.
1. Press "ENTER" button and then UP or DOWN button until "SLAVE MODE" is shown.
2.Press "ENTER" button to confirm.

AUTO MODE- In this menu, you can select an AUTO mode (1-15) and adjust the running speed (1-31).
1. Press ENTER and use UP or DOWN until "AUTO" is displayed.
2. Press ENTER, and "SPEED" or "AUTO MODE" will appear. Press ENTER to select and adjust either:
(1) SPEED - Select the desired speed.
(2) AUTO - Select the desired auto mode.

Sound - In this menu, you can select your desired sound mode.
1. Press the MENU button and UP button or DOWN button until "Sound Mode"appears, then press ENTER.
1) Sound - You can select the sound mode（1-10） in this menu.
2) SENS - You can adjust the sensitivity（1-30） in this menu.

MANUAL MODE–In this menu, you can adjust the values for RGBWAUV (0-255), Colour (1-55) or strobe (1-20).
1. Press the ENTER button and use UP or DOWN until "MANUAL" is displayed.
2.Press ENTER. There are 8 options to select from. Use the UP or DOWN buttons and press ENTER to select and confirm the desired option and value.
1) RED - Manually set the red intensity.
2) GREEN - Manually set the green intensity.
3) BLUE - Manually set the blue intensity.
4) WHITE - Manually set the white intensity.

5) AMBER - Manually set the amber intensity.
6) UV - Manually set the uv intensity.
7) COLOR - Sets the fixture to one of the 55 pre-programmed colours.
8) STROBE - Set and adjust the strobe speed.

SET UP-In this menu you can adjust the value of a function.
1. Press the ENTER button and use the UP or DOWN buttons until "SET UP" is displayed.
2. Press ENTER. There will be 8 options. Press ENTER to select an option and use UP or DOWN to change values.
1) Dimmer ALL - Adjusts the brightness over all colours.
2) BALANCE - Adjust the brightness of each colour(RGBWAUV) from 0-255.
3) Key locks - Choose whether the menu password is active.
By default the password is UP + DOWN + UP + DOWN .If "ON", the user has to input the password before entering the menu. The light cannot be altered until the correct password is entered.
4) REMOTE - Allows for remote control to be enabled or disabled.
5) Display - Select between "ON" or "30S". If "ON" is selected, the display will constantly output. If "30S" is selected, the display will turn off after 30 seconds of no user input.
6) RESET-Resets all values set to default. The password is [UP] + [DOWN] + [UP] + [DOWN].
7) REFRESH RATE – Able to set the refresh rate of the fixture.
8) Max temp - A custom Max working temperature can be set for the fixture. When the temperature exceeds the value set, the text colour of "Temp xx" in the main display will change from white to yellow. Meanwhile, the fixture will adjust the working temperature automatically.

INFORMATION- Provides information of the software version, hardware, RDM UID and the working time of the fixture.
1. Press ENTER button and use UP or DOWN until "INFO" is displayed.
2. Press ENTER. Use UP or DOWN to navigate and then ENTER to view:
(1) SOFTWARE- The running Software version.
(2) HARDWARE- Displays the Hardware information.
(3)WORKING TIME- Total operating hours since manufacture.
(4)RDM UID- Displays the RDM UID information.

DMX Chart

MODE 7 CHANNELS		
Channel	Value	Function
1	000 - 255	Red
2	000 - 255	Green
3	000 - 255	Blue
4	000 - 255	White
5	000 - 255	Amber
6	000 - 255	UV
7	0-49	Dimmer Speed 0
	50-99	Dimmer Speed 1
	100-149	Dimmer Speed 2
	150-199	Dimmer Speed 3
	200-255	Dimmer Speed 4

MODE 9 CHANNELS		
Channel	Value	Function
1	000 - 255	Dimmer
2	000 - 255	Red
3	000 - 255	Green
4	000 - 255	Blue
5	000 - 255	White
6	000 - 255	Amber
7	000 - 255	UV
8	000 - 255	Strobe (slow - fast)
9	0-49	Dimmer Speed 0
	50-99	Dimmer Speed 1
	100-149	Dimmer Speed 2
	150-199	Dimmer Speed 3
	200-255	Dimmer Speed 4

MODE 12 CHANNELS		
Channel	Value	Function
1	000 - 255	Dimmer
2	000 - 255	Red
3	000 - 255	Green
4	000 - 255	Blue
5	000 - 255	White
6	000 - 255	Amber
7	000 - 255	UV
8	000 - 255	Strobe (slow -fast)

9	000-009	No Function
	010-174	Static Color
	175-189	3200K
	190-204	5600k
	205-219	6500k
	220-234	8500k
	235-249	10000k
	250-255	Default
10	000 - 020	No function
	021 - 030	Auto 1
	031 - 040	Auto 2
	041 - 050	Auto 3
	051 - 060	Auto 4
	061 - 070	Auto 5
	071 - 080	Auto 6
	081 - 090	Auto 7
	091 - 100	Auto 8
	101 - 110	Auto 9
	111 - 120	Auto 10
	121 - 130	Sound1
	131-140	Sound2
	141- 150	Sound3
	151-160	Sound4
	161-170	Sound5
	171-180	Sound6
	181-190	Sound7
	191-200	Sound8
	201-210	Sound9
	211-255	Sound10
11	000 - 255	Auto Speed (slow - fast)
12	0-49	Dimmer Speed 0
	50-99	Dimmer Speed 1
	100-149	Dimmer Speed 2
	150-199	Dimmer Speed 3
	200-255	Dimmer Speed 4

MODE 19 CHANNELS		
Channel	Value	Function
1	000 - 255	Dimmer
2	000 - 255	Dimmer Fine
3	000 - 255	Red
4	000 - 255	Red Fine
5	000 - 255	Green
6	000 - 255	Green Fine
7	000 - 255	Blue
8	000 - 255	Blue Fine
9	000 - 255	White
10	000 - 255	White Fine
11	000 - 255	Amber
12	000 - 255	Amber Fine
13	000 - 255	UV
14	000 - 255	UV Fine
15	000 - 255	Strobe (slow -fast)
16	000-009	No Function
	010-174	Static Color
	175-189	3200K
	190-204	5600k
	205-219	6500k
	220-234	8500k
	235-249	10000k
	250-255	Default
17	000 - 020	No function
	021 - 030	Auto 1
	031 - 040	Auto 2
	041 - 050	Auto 3
	051 - 060	Auto 4
	061 - 070	Auto 5
	071 - 080	Auto 6
	081 - 090	Auto 7
	091 - 100	Auto 8
	101 - 110	Auto 9
	111 - 120	Auto 10
	121 - 130	Sound1
	131-140	Sound2
	141- 150	Sound3
	151-160	Sound4
	161-170	Sound5

	171-180	Sound6
	181-190	Sound7
17	191-200	Sound8
	201-210	Sound9
	211-255	Sound10
18	000 - 255	Auto Speed (slow - fast)
	0-49	Dimmer Speed 0
	50-99	Dimmer Speed 1
19	100-149	Dimmer Speed 2
	150-199	Dimmer Speed 3
	200-255	Dimmer Speed 4

DMX control sheet

STROBE sheet		
10	21	1Hz
22	33	2Hz
34	45	3Hz
46	57	4Hz
58	69	5Hz
70	81	6Hz
82	93	7Hz
94	105	8Hz
106	117	9Hz
118	129	10Hz
130	141	11Hz
142	153	12Hz
154	165	13Hz
166	177	14Hz
178	189	15Hz
190	201	16Hz
202	213	17Hz
214	225	18Hz
226	237	19Hz
238	255	20Hz

Static Color					
10	12	Color 1	82	84	Color 25
13	15	Color 2	85	87	Color 26
16	18	Color 3	88	90	Color 27
19	21	Color 4	91	93	Color 28
22	24	Color 5	94	96	Color 29
25	27	Color 6	97	99	Color 30
28	30	Color 7	100	102	Color 31
31	33	Color 8	103	105	Color 32
34	36	Color 9	106	108	Color 33
37	39	Color 10	109	111	Color 34
40	42	Color 11	112	114	Color 35
43	45	Color 12	115	117	Color 36
46	48	Color 13	118	120	Color 37
49	51	Color 14	121	123	Color 38
52	54	Color 15	124	126	Color 39
55	57	Color 16	127	129	Color 40
58	60	Color 17	130	132	Color 41
61	63	Color 18	133	135	Color 42
64	66	Color 19	136	138	Color 43
67	69	Color 20	139	141	Color 44
70	72	Color 21	142	144	Color 45
73	75	Color 22	145	147	Color 46
76	78	Color 23	148	150	Color 47
79	81	Color 24	151	174	Color 48

Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit, secure it with an appropriately rated safety chain. Ensure the area beneath the fixture is clear when mounting, removing or servicing the unit.

Overhead mounting requires extensive experience, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the unit. If you lack these qualifications, do not attempt the installation yourself. The installation should be checked by a skilled technician once a year.
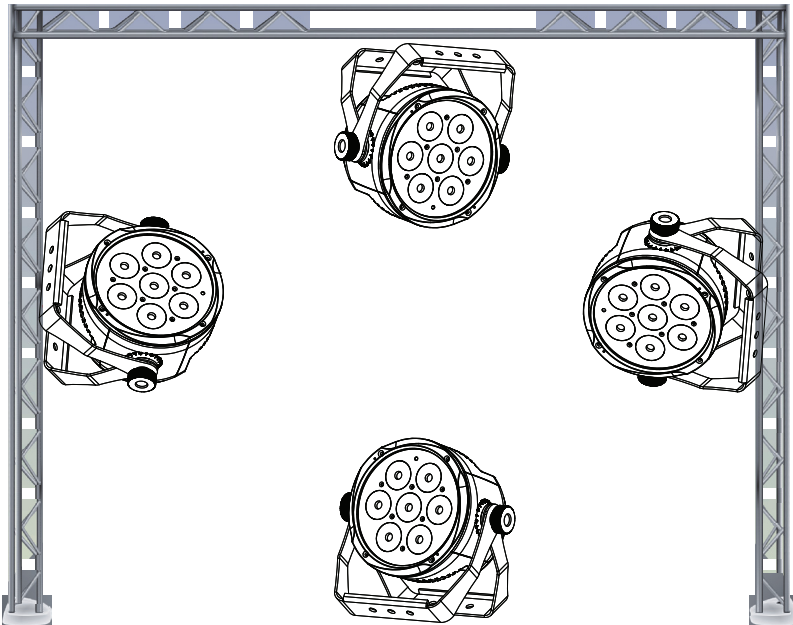
The Hue Par is fully operational in three different mounting positions: hanging upside-down from a ceiling, set on a flat level surface or mounted on its side. Be sure to keep the fixture at least 0.5m away from any flammable materials (decorations etc.).

Use an appropriately rated safety chain to prevent accidental damage or injury to persons in the event the clamp fails.

Product Overview

258mm

208mm

190mm
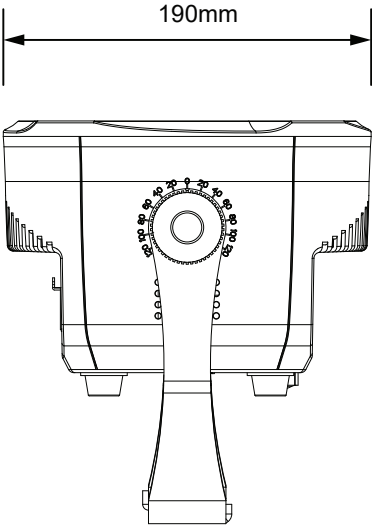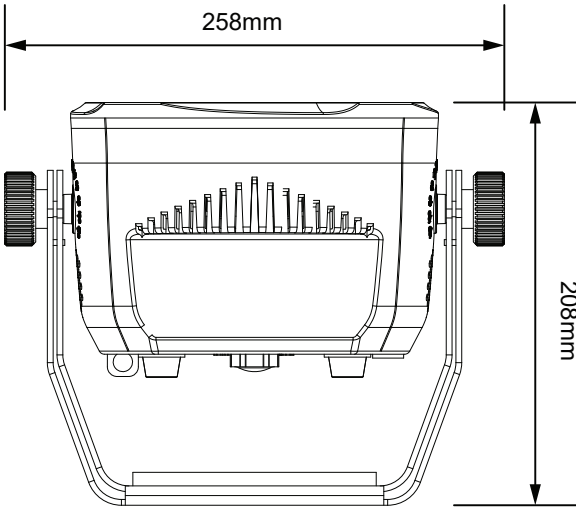
RDM

RDM compliance:ANSI/ESTA E.120

Parameter ID	Command 'Discovery'	Command 'Set'	Command 'Get'
DISC_UNIQUE_BRANCH	√		
DISC_MUTE	√		
DISC_UN_MUTE	√		
DEVICE_INFO			√
SUPPORTED_PARAMETERS			√
SOFTWARE_VERSION_LABEL			√
DMX_START_ADDRESS		√	√
IDENTIFY_DEVICE		√	√
DEVICE_MODEL_DESCRIPTION			√
PARAMETER_DESCRIPTION			√
MANUFACTURER_LABEL			√
DEVICE_LABEL		√	√
FACTORY_DEFAULTS		√	√
BOOT_SOFTWARE_VERSION_ID			√
BOOT_SOFTWARE_VERSION_LABEL			√
DMX_PERSONALITY		√	√
DMX_PERSONALITY_DESCRIPTION			√
SLOT_INFO			√
SLOT_DESCRIPTION			√
SENSOR_DEFINITION			√
SENSOR_VALUE			√
DEVICE_HOURS			√
LAMP_HOURS			√
RESET_DEVICE		√	
CURVE		√	√
DMX STATE		√	√
DIMMER SPEED		√	√

IR Controller
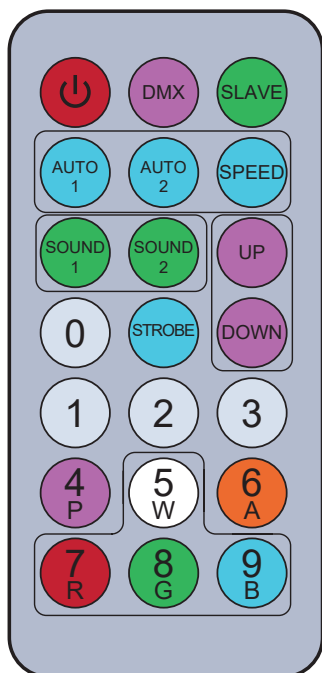
Power on/off button

DMX Button- Controls DMX address with single press, double press controls DMX mode.

SLAVE Master-slave mode button.

AUTO 1 AUTO 2 Automatic mode button

SPEED Speed adjustive button

SOUND 1 SOUND 2 Sound mode button

UP DOWN Up & Down button allows you to choose programs or adjusts numerical values.

STROBE Strobe button

0 1 2 3 4 P 5 W 6 A 7 R 8 G 9 B
Able to insert numerical values in any program mode.

7 R 8 G 9 B 5 W 6 A 4 P Selects a particular colour.