

OPERATING MANUAL

VIS035.1 Battery Powered IP65 WR-5106 LED Fitting.



This versatile battery operated fitting is fitted with five 10watt Hex LED's using RGBAW+UV pixel LED's. The fitting is IP65 rated for use outdoors. The unit is controlled manually or Infra-Red Remote control, or via DMX. The unit is fitted with a wireless DMX which can operate up to 100metres maximum (visible distance).

This manual is designed to give you the operations of the unit, please refer to the main product manual for DMX values and detailed operation.

UNIT OPERATION:

The Rear Panel;

This contains the inlets and outlets for both mains power (mini IP65 4pin XLR) and DMX (mini IP65 3pin XLR). In addition is a Battery switch (coloured silver).



The Battery switch (Silver button) will connect or disconnect the batteries from the fixture, this helps extend the battery life.

This switch must be switched **ON** for operating the light (switch depressed).

2.

The Display;

Located on the side of the panel is the illuminated display panel and control switches.



The four switches read: **MODE** **SET UP** **UP** **DOWN**

FUNCTIONS:

Listed below is a description of the functions available on the unit and what each of the keys will achieve. The **MODE** key sets the main function and the **SET UP** key allows the user to adjust that function in conjunction with the **UP** and **DOWN** keys.

VERY IMPORTANT:

Please note if the keys are not touched for 30 seconds the display will default to BATT LEV showing the battery level of the unit. If you try to select another function from the MENU you will find that nothing will happen. You need to press and hold the MODE key for 4 seconds to engage the controls.

MODE: this allows the user access to the following functions;

1. **BATT LEV** – shows the Battery Level (%) and Battery Load On/Off
2. **ENERGY SAVE**- Extends the battery life by reducing the brightness by 10%
3. **DMX Mode**- Enables the unit to be addressed And set the DMX channels
4. **SLAVE MODE**- allows the unit to become a slave to a master unit.
5. **MANUAL** – allows the user to control each of the six colours individually
6. **JUMP RUN**- this allows the user access to sixteen different step chases of colours
7. **FADE RUN**- this allows the user access to sixteen different fade chases of colours
8. **AUTO RUN**- this combines the snap and fade chases
9. **CLR MACS**- this allows the user to select 62 pre-programmed single colours
10. **OPTION**- This allows the user to switch on or off the backlight of the display and switches on or off the Infra-Red.
11. **WI-FI SET** – Allows the user to operate the unit on Wi-Fi

SET UP: this allows the user to access a range of settings within each mode setting, as listed below

1. **BATT LEV**- pressing SET UP allows the user to switch between Battery Level (%) to Battery Level Load ON or OFF.
2. **ENERGY SAVE**- the SET UP button has no affect in this mode.
3. **DMX MODE**- pressing SET UP allows the following:-
 - a. ADDR mode (setting the DMX address)
 - b. CHAN allows the channel selection either 6,7,8,11 or 12
 - c. NO: this sets the defaults if DMX fails, there are three modes as follows:-
BLANK which sets the unit to switch off if the DMX signal is lost
HOLD which sets the unit to the last state before signal was lost
AUTO which sets the unit to the auto mode and replays if DMX signal is lost
 - d. DELAY: this has four settings which will allow each unit one step behind a program
4. **SLAVE MODE** – the SET UP button has no effect

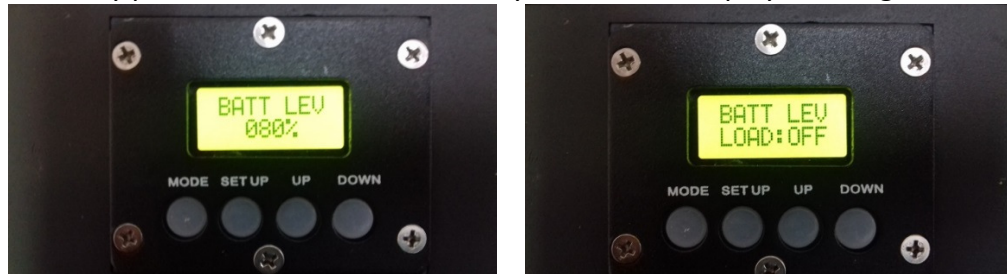
3.

5. **MANUAL**- this allows the user access to each of the six colours; Red, Green, Blue, White, Amber and Ultra Violet and Strobe rate as follows:-
 - a. RED mode allows the red pixels to be dimmed up or down from 0-255 steps
 - b. GREEN mode allows the green pixels to be dimmed from 0-255 steps
 - c. BLUE mode allows the blue pixels to be dimmed from 0-255 steps
 - d. WHITE mode allows the white pixels to be dimmed from 0-255 steps
 - e. AMBER mode allows the amber pixels to be dimmed from 0-255 steps
 - f. UV mode allows the Ultra Violet pixels to be dimmed from 0-255 steps
 - g. STROB mode allows the unit to flash which is variable from 1 to 15 steps
6. **JUMP RUN** – pressing SET UP will allow the user access to 16 different step colours (SNAP) or SPEED which allows the user to adjust the speed of the chase from 1-16 steps (1 being slowest and 16 being quickest).
7. **FADE RUN** – pressing the SET UP will allow the user access to 16 different fades of colours or SPEED which allows the user to adjust the speed of the chase from 1-16 steps (1 being the slowest and 16 being quickest).
8. **AUTO RUN- FAD+SNAP** pressing the SET UP will access SPEED which allows the user to adjust the speed of the chase from 1-16 steps (1 being the slowest and 16 being quickest).
9. **CLR MACS**- pressing SET UP will access STROB which allows the user to strobe the selected colour through 0-15 steps (0 being on and then 1 being slowest flash to 15 being a strobing flash)
10. **OPTION**- pressing SET UP will allow you three options as follows:-
 - a. BLGT- this allows you to switch ON or OFF the illuminated display using the UP/DOWN keys.
 - b. IR- this allows the Infra Red control feature to be switched ON or OFF using the UP/DOWN keys.
 - c. SYSRESET – this will allow the unit to return to the Factory settings
11. **WI-FI SET**- pressing SET UP will allow you two options as follows:-
 - a. STAT- this will allow you to switch ON or OFF the Wi-fi function using the UP and DOWN keys.
 - b. ADDR- this allows the user to set the Wi-Fi address from 0 to 5

TO OPERATE THE UNIT

First switch the Battery Switch (silver) on by depressing the button, this is located on the back of the unit.

Secondly press the MODE button until you have the display showing BATT LEV



Once the display shows BATT LEV use the SET UP button to obtain LOAD: OFF (as shown above), then press the UP or DOWN keys so the display show LOAD: ON, the unit will now be ready to operate.

Use the MENU and SET UP keys to select the mode of operation as given on page 2 and 3.

4.

DMX CHANNEL SETTINGS:

The unit can be set to operate in either 6,7,8,11 or 12 channel operation as shown on the table below:-

6 Channel Operation:

CHANNEL	VALUE	FUNCTION
1	0-255	RED 0%-100%
2	0-255	GREEN 0%-100%
3	0-255	BLUE 0%-100%
4	0-255	WHITE 0%-100%
5	0-255	AMBER 0%-100%
6	0-255	UV 0%-100%

7 Channel Operation:

CHANNEL	VALUE	FUNCTION
1	0-255	RED 0%-100%
2	0-255	GREEN 0%-100%
3	0-255	BLUE 0%-100%
4	0-255	WHITE 0%-100%
5	0-255	AMBER 0%-100%
6	0-255	UV 0%-100%
7	0-255	Master Dimmer 0%-100%

8 Channel Operation

CHANNEL	VALUE	FUNCTION
1	0-255	RED 0%-100%
2	0-255	GREEN 0%-100%
3	0-255	BLUE 0%-100%
4	0-255	WHITE 0%-100%
5	0-255	AMBER 0%-100%
6	0-255	UV 0%-100%
7	0-255	Master Dimmer 0%-100%
8- STROBE	0-31 32-63 64-95 96-127 128-159 160-191 192-223 224-255	LED OFF LED ON STROBE SLOW/FAST LED ON STROBE PULSE SLOW/FAST LED ON RANDOM STROBE LED ON

11 Channel Operation

First 8 channels as before additional channels shown below

9- MODE Selection	0-51 52-102 103-153 154-204 205-255	Standard Dim Mode Colour Macro Mode (Ch8) Colour Jump Mode (Ch8) Colour Fade Mode (Ch8) Auto Run Mode (Ch8)
10- Multiple Functions	0-51 52-102 103-153 205-255	No Function Colour Macros (see listing) Colour Step Chase 1-16 Colour Fade Chase 1-16 Auto Run
11- Speed	0-255	Internal Program Speed

12 Channel Operation

This utilises the same 11 channels as given previously and the additional twelfth channel will allow defaults to unit settings.

Colours MACRO CHART (DMX Use)

0-3=OFF	64-67=B+W	128-131=G+B+W	192-195=R+B+W+A
4-7=Red	68-71=B+A	132-135=G+B+A	196-199=R+B+W+UV
8-11=Green	72-75=B+UV	136-139=G+B+UV	200-203=R+B+A+UV
12-15=Blue	76-79=W+A	140-143=G+W+A	204-207=R+W+A+UV
16-19=White	80-83=W+UV	144-147=G+W+UV	208-211=G+B+W+A
20-23=Amber	84-87=A+UV	148-151=G+A+UV	212-215=G+B+W+UV
24-27=UV	88-91=R+G+B	152-155=B+W+A	216-219=G+B+A+UV
28-31=R+G	92-95=R+G+W	156-159=B+W+UV	220-223=G+W+A+UV
32-35=R+B	96-99=R+G+A	160-163=B+A+UV	224-227=B+W+A+UV
36-39=R+W	100-103=R+G+UV	164-167=W&A+UV	228-231=R+G+B+W+A
40-43=R+A	104-107=R+B+W	168-171=R+G+B+W	232-235=R+G+B+W+UV
44-47=R+UV	108-111=R+B+A	172-175=R+G+B+A	236-239=R+G+B+A+UV
48-51=G+B	112-115=R+B+UV	176-179=R+G+B+UV	240-243=R+G+W+A+UV
52-55=G+W	116-119=R+W+A	180-183=R+G+W+A	244-247=R+B+W+A+UV
56-59=G+A	120-123=R+W+UV	184-187=R+G+W+UV	248-251=G+B+W+A+UV
60-63=G+UV	124-127=R+A+UV	188-191=R+G+A+UV	252-255=R+G+B+W+A+UV

Operation IR Remote

The Unit can be operated by IR remote, firstly the unit must be set to operate in this mode by the following:-

Using the **MODE** button select **OPTION**, when **OPTION** is selected use the **SET UP** keys to select **IR**, using the **UP** and **DOWN** keys select **ON**.

6.

You will require a 6 channel IR remote control.



The remote control will enable the user to access the pre-programmed patterns which are found in the **MENU** section of the LED fitting.

OPERATION.

Ensure the LED Battery light has IR switched to the **ON** status (see above in the introduction to the IR section of this manual).

The IR detector is located in the centre of the five LED pixels, always ensure the IR remote has clear line of site with the detector to operate. Maximum distance of operation is 10metres.

Functions of the remote:-

BLACKOUT- Will switch off all the LED's so the fitting goes into Blackout.

PROG – This will allow you access to the individual colours, colour step chase mode and colour fading programs.

FS/SP – This allows the user access to the speed and flashing functions within the programs

SL/AU – This allows access to the Auto Run Mode (colour chasing and colour fading programs) or will switch the unit to **SLAVE** mode.

CH – This allows the user access to set the DMX modes, this includes addressing DMX, and channel allocation of DMX.

A – This allows the user to set the DMX address or initialize programs.

OPERATION.

Colour Selection

To select individual colours; Press **PROG** button then press either **W,UV,A,R,G** or **B** buttons dependent on the colour you require, by using the + or – button you can increase the intensity of the colour selected from **0-255** steps.

NOTE: If the unit lights up in another colour you may need to bring that individual colour back to **0**. Simply select through each colour W,UV,A,R,G or B and reduce the readings to **0** to clear all the colours.

7.

Colour Change.

Press **PROG** you will see that the display will read either **JUMP RUN, FADE RUN, or CLR MACS**. By pressing the **PROG** key you can select either **JUMP RUN** or **FADE RUN** or **CLR MACS**.

JUMP RUN – Will allow you to step chase colours, there are 16 pre-programmed patterns which can be accessed using the + or – keys.

FADE RUN – will allow you access to fade chase colours, there are 16 pre-programmed patterns which can be accessed using the + or – keys.

(NOTE: you can adjust the speed of the JUM RUN and FADE RUN functions by pressing the FS/SP button and adjusting the Speed with + or – button, there are 16 steps of speed control and 15 steps of strobe effect control).

CLR MACS – will allow you to select from a total of 63 pre-set colours by using the + or – keys.

DMX Mode.

Press **CH** button and you can cycle between; No DMX mode, DMX address mode, DMX channel mode and DMX delay mode. By pressing the **CH** button you move between the different modes.

DMX Address mode you can press + or – to select the DMX address

NO DMX mode you can select + or – to select the 3 no DMX mode

DELAY setting mode, you can use + or – button to select the 5 delay settings

DMX Channel Setting- allows the unit to be 6,7,8,11 or 12 channel DMX operation. Using the + and – buttons you can select the required mode as follows:-

If RED LED's glow then the unit is in DMX Mode 1; 6 channels

If GREEN LED's glow then the unit is in DMX Mode 2; 7 channels

If BLUE LED's glow then the unit is in DMX Mode 3; 8 channels

If WHITE LED's glow then the unit is in DMX Mode 4; 11 channels

If RED LED's glow at 50% brightness the unit is in DMX Mode 5; 12 channels.

Operation by Wireless DMX.

This unit can operate by wireless DMX up to a distance of 100metres (line of site).

The LED fitting must be in Wireless DMX mode to operate and the Wi-Fi is switched ON.

Setting to operate on WI-FI.

Using the **MODE** button scroll through until the display reads **WIFI SET**, you now have two options using the **SET UP** button to select **ADDR** or **STAT**, select **STAT** and then use the **UP** or **DOWN** buttons to select **STAT: ON**, this switches on the Wi-Fi.

In the **WIFI SET** mode and with the **ADDR** you can select 5 different frequencies.

NOTE: All units must be on the same frequency to operate.

The Wireless transceivers built into the product can act as transmitters and receivers, when the product is set in the **SLAVE** mode or **DMX Mode** then the unit will be a receiver. In all other modes the unit will be a Transmitter.

This allows the user to set multiple units as slaves and keep one unit as a master which various pre-programmed patterns can be accessed.

8.

SPECIFICATIONS:-

Weight: 3.5Kg

Dimensions; 240mm x 165mm x 280mm

Power Input: AC 100v-240v, 50Hz-60Hz

Wattage: 56watts

LED's : 5 pieces 10watt RGBAW+UV (6in1 pixel)

Beam Angle: 25degree

IP Rating: 65

Display: 2 x 8 character LCD

Control: IR Remote and Wireless DMX Control available

Power cord daisy chain for charging: Must not exceed 10 units

Power Connections: Mini IP 3pin DMX inlet and outlet, Mini IP 4pin power inlet and outlet

Number of Lithium Ion Cells: 12


Battery Charge Time: 4.5 hours (in Load OFF mode)

Battery Life: ALL LED's set to Full: 4 Hours

ALL LED's set to Full in ENERGY SAVING Mode: 6 hours

Crossfading Colour Mode: 8 hours

Single Colour mode: 8 hours

For further information on this product or other products in the  range please contact us on 01458.833186.