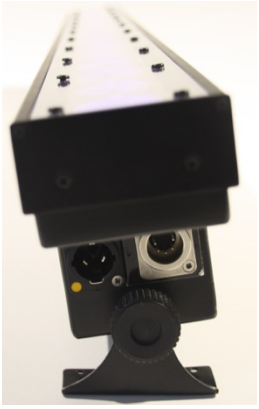
USER MANUAL

core
LIGHTING

StripPoint

Wireless LED Batten



Contents

Contents 1

Disclaimer 3

Product Modification 3

Safety Information 3

Before You Begin 4

Product Overview 4

Features including 4

Product Contents 4

Safety 4

Power 5

Ventilation and Mounting 5

Getting Started 6

StripPoint Key Elements 6

Operation 6

Turning On and Off 6

Battery Charging 6

Mains Power 7

Control Panel 7

MENUS 7

DMX MODE Menu 8

FUNCTION Menu 9

Function CUSTOM 10

Function STATIC 11

Function DMX 12

Function EFFECT 13

SETTINGS Menu 16

Power Mode 16

Brightness Control *16*

DMX Mode *17*

PWM Frequency Control *17*

Lamp Profile *17*

W-DMX Power *18*

PSU Mode *18*

Other Useful Features **18**

Keypad Lock *18*

Master Reset *18*

Mechanical **19**

Dimensions *19*

Antenna *19*

Warranty **20**

Compliance Information **21**

System Compliance *21*

FCC & Industry Canada Statement for Radio Compliance **21**

W-DMX Transmitter & Receiver *21*

WEEE & RoHS Statement **22**

Appendix 1 – DMX Mapping Table **23**

Disclaimer

CORE Lighting Limited believe the information in this manual is accurate and complete however assumes no responsibility for any error or omissions within this document or any other documentation accompanying the product. We reserve the right to revise this document at any time. Please see www.corelighting.co.uk/support to download latest version.

Product Modification

This CORE Lighting product has been designed and manufactured to meet the strict requirements of UK, EU and International safety regulations. Any unauthorised modifications to the product including replacement of parts with non-standard parts could compromise safety and result in the product being non-compliant with relevant standards.

There are no user serviceable parts within this product.

Safety Information

Important safety information is contained within this manual. Please read all instructions fully prior to installation and use of the equipment.

Internationally recognised symbols are used within the document to highlight important messages as follows:

Critical installation or usage information.
Failure to comply with this information may cause damage to the product, third party equipment or cause harm or injury

Important installation or usage information.
Failure to comply with this information may cause the product to operate incorrectly

Note: Restrictions apply to transporting this equipment on aircraft due to the lithium polymer batteries having capacity greater than 100Wh. Please consult IATA Packing Instructions 967 and CORE Lighting Ltd for further information.

Before You Begin

The CORE StripPoint is a battery-powered wireless LED batten capable of providing portable and instant architectural and feature lighting anywhere. With high-powered red, green, blue and white LEDs the fixture is capable of producing any colour or shade of white using combinations of those LEDs. Ideal for illuminating buildings in colour, both indoors and outdoors, the fixture is powerful enough to light buildings of 4 or 5 storeys. Using the control over each of the 18 LED cells on 4 colours, lighting effects may be created by connecting to effects generators such as lighting desks or single colour effects using other CORE Master units using the in-built Wireless DMX receiver. Simply connect wirelessly to the transmitter of the generator.
The product is designed, manufactured and supported in the UK plus local distributor support.
.

Product Overview

Features including

- High powered max 4000lumen RGBW LEDs equivalent to 9700 Lux @ 2m
- 18 x Cree high-powered RGBW LED arrays
- Lithium Ion Battery. Unit weight just 6.5kg with battery life of up to 8 hours (in-built colours/fades)
- Mains input allowing unit to run in a permanent installation plus mains out to other units
- LEE Filter Colour library or separate RGBW control.
- Wireless DMX as Master or Slave control (2.4GHz W-DMX from Wireless Solution, Sweden)
- 4 or 5 or 8 or 72 Channel DMX operation and variable PWM frequency for TV work
- Cable DMX input plus DMX Output to other fixtures
- DMX→W-DMX & W-DMX→DMX conversion (software & hardware V2.01 onwards)
- Mounting options to allow unit to be floor mounted or fixed to truss or other mounting.
- IP65 outdoor rated case
- Designed and Manufactured in the UK
- Operating temperature range -0 to +35 degC or 32 to +95 degF

Product Contents

Please contact your dealer immediately if there are any signs of product damage or parts missing.

Single unit

- 1x StripPoint wireless LED fixture
- 1x Power cable PowerCon True1
- 1x Shortform Manual

Charging case of four units

- 4x StripPoint Wireless LED fixtures
- 1x Charging case
- 1x PowerCon True1 Cable
- 1x Manual

Safety

- AVOID direct eye exposure to the light source when illuminated
- DO NOT submerge this product in water or expose to excessive water spray
- DO NOT hang this product other than by the means indicated in this manual
- DO NOT leave any flammable material near product whilst operating or charging
- ALWAYS use the supplied charging case and mains cables
- ALWAYS ensure the charger is connected to the specified voltage
- ALWAYS ensure the charging case lid is open whilst plugged into mains supply
- NEVER connect this product or charger to a dimmer pack
- DO NOT operate this fixture if it appears damaged in any way
- DO NOT operate this fixture where the ambient temperature exceeds 35ºC

In the unlikely event that your product develops a fault, please contact your local dealer or authorised distributor.
Do not attempt to repair yourself unless specifically instructed by CORE Lighting Ltd.

Power

The unit can be run either from the battery or from the mains power inlet on the side. When the unit is plugged into the flightcase the battery will be charged but note that while in the flightcase the unit will be switched off to prevent overheating.

Mains input voltage: 100 -240VAC 50/60Hz

Rated power: 150W

Power reduction on over-temperature

Note that the internal workings of the unit are protected from over-temperature conditions to protect the battery. If the unit is used for a long period on mains power in higher ambient temperature, then the thermal cutout sequence will be activated based on the internal temperature.

Initially the unit will adjust the LED output back to 75% to reduce power consumption, and then under more severe conditions the internal power supply will cut out, to leave the fixture running on battery only until the internal temperature drops. At this point the internal power supply will recover to restore normal power.

We do not recommend to run the fixture with all 4 colours set to maximum value 255 at 100% brightness as this can run the head at very hot temperatures which can severely shorten the life of the LEDs and/or drivers attached to the back of the LEDs.

This should not be necessary in StripPoint as white LEDs are provided to set shades of white, which also run white colours much more efficiently, drain the battery less, and have a better white tone.

An analogy to running with all LEDs fully on in StripPoint is similar to running a car engine with the rev counter in the red zone.

Ensure the product is used only with correct voltage and frequency of mains supply.

Never connect the fixture or charging case to a dimmer circuit, even when a dimmer has been configured for 'non-dim', or 'switched' operation.

If the power cable is damaged it must be replaced by the manufacturer or service agent.

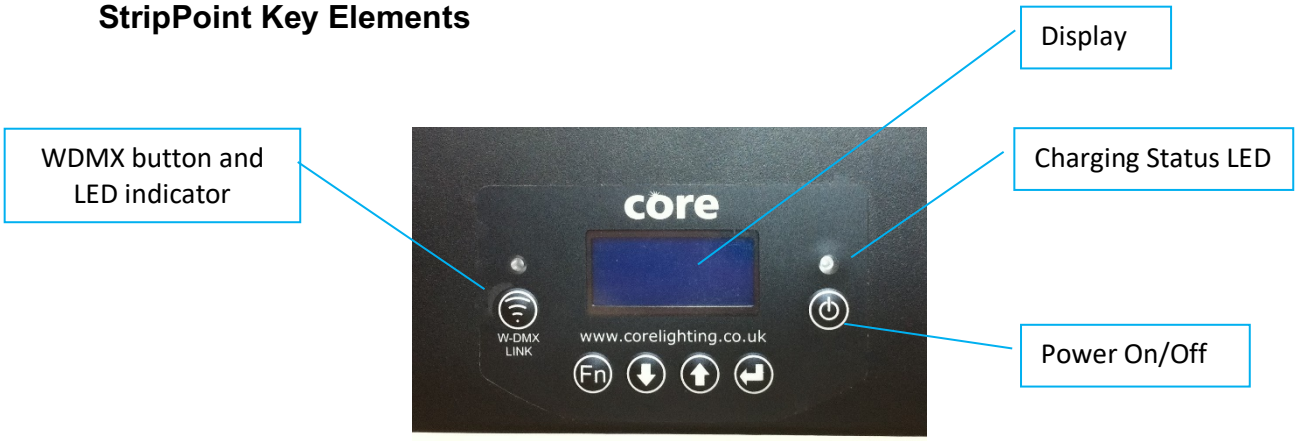
Ventilation and Mounting

Always use the product in a safe position and ensure there is enough room around it for ventilation.

Do not close the lid during charging; this allows escape of heat.

Getting Started

StripPoint Key Elements



Operation

Turning On and Off

- Push and hold this power button for >1 second to switch the unit ON or OFF
- The display will show “CORE Lighting” and software version for a few seconds before starting
- The display backlight will extinguish after a short time to reduce power use

Battery Charging

- The fixture has a built-in charger optimized for the battery and will charge while attached to the mains supply whether the unit is active or not
- Only use the supplied mains cable or charging case
- For best results recharge battery fully before storage
- When charging in the charging case, it is best to **ensure the case lid remains open to disperse heat**, although the lid may be closed in cooler climates.
- Switch off the charger unit and unplug once fully charged
- Whilst charging the LED indicator will illuminate in RED or AMBER
- (Red indicates an empty battery moving to Amber when significantly charged)
- Once fully charged the LED indicator will show GREEN

Charging Charged

DO NOT use any charger other than the unit supplied with the StripPoint.

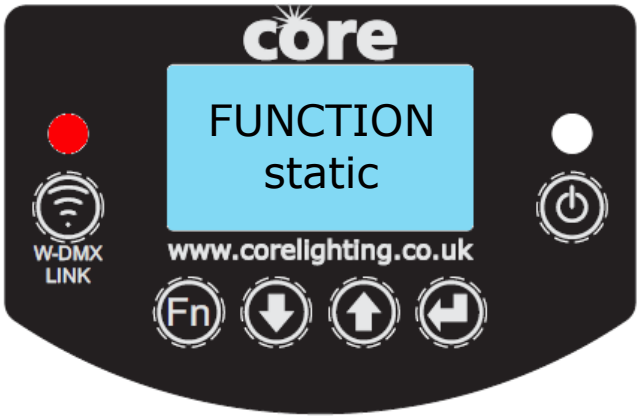
When using a charging flight case, ensure the unit is pushed fully down on the charging connector. The charge light on side of the unit should illuminate to signify this has been done.

Mains Power

- The fixture can be run from mains power attached to the “PowerCON” connector (PowerCON True1) on the side
- Whilst running from mains the mains symbol is shown in the top right hand corner of the display.
- It will recharge the battery when mains is applied to the power input connector but note that the rate of charging is reduced if the fixture is on
- A Powercon True1 mains output connector on the LHS of the fixure allows mains to be daisy-chained from one fixture to another.
- An addition was made on software V2.01 onwards in the Settings menu to allow the fixture to be permanently switched to Mains Power mode, which prevents the battery from taking over when mains is switched off. This is useful to allow the unit to be powered on and off from switched mains, without needing the on/off button to be used (for example in remote situations).

Note that no more than 4 units can be daisy-chained when used on 110V. This increases to 8 units on 230V

Control Panel



Enables changes to FUNCTION or SETTINGS menus
Exits from the current option or menu

Navigates backwards through the menu list
or decrements a numeric value
or navigates back through available values

Navigates forward through the menu list
or increments a numeric value
or navigates forward through available values

Enters the currently displayed menu option
or saves the currently displayed value

MENUS

There are three menus at the highest level for setting up and controlling the unit:

DMX MODE menu – defines DMX wired or wireless operation, and whether Master or Slave
FUNCTION menu – sets the actual operation of the unit and any units under its control
SETTINGS menu – changes basic settings and parameters to suit different environments

DMX MODE Menu

Control OF the StripPoint and control BY the StripPoint on other fixtures is handled through this new menu which was introduced in Version2.01 hardware/software combination.

This menu sets the DMX control directions and whether the unit is wireless or wired, but the actual functions are set within the FUNCTION menu described in the next section.

DMXCable Slave	When the menu is set to this option, allows the fixture to be controlled using DMX through the input DMX cable on the end of the unit. The unit also needs to be set into 'DMX' under the FUNCTION menu and its DMX address is set within that mode.
DMXCable to WDMX	When the menu is set into this option, turns the fixture into a Wireless DMX transmitter. Any input on the DMX cable on the end of the unit controls this StripPoint, but outputs the entire DMX universe on Wireless DMX (W-DMX) to allow any wireless DMX fixture using the same protocol to be controlled.(Wireless Solutions W-DMX). The unit also needs to be set into 'DMX' under the FUNCTION menu and its DMX address is set within that mode. Note it can be used as a W-DMX repeater if an adjacent StripPoint is set as a W-DMX slave, connected to this unit with a DMX cable, and the signal output using this unit. There may be a small delay, but in many situations this may be tolerable.
WDMX Slave	When set to this option allows the unit to receive and act on Wireless DMX signals from another transmitter or a CORE WDMX Master Unit (eg another StripPoint). The unit also needs to be set into 'DMX' under the FUNCTION menu and its DMX address is set within that mode.
WDMX Master	When set to this option the unit becomes a Master unit to control other CORE fixtures using Wireless DMX (W-DMX protocol). These may be fixtures other than StripPoint. The control of the unit is set under the FUNCTION menu which is then replicated across Wireless DMX to any units connected as Slaves (see above). Any of the functions other than DMX can be used and the fact the unit is in MASTER Mode is denoted by a '+' to the left of the battery meter, plus the WDMX LED will be lit permanently.

Note this mode is not software upgradeable on previous versions of units due to certain internal hardware changes to enable some of the features

FUNCTION Menu

There are three modes of Operation, accessed through the ***FUNCTION*** menu;

Function CUSTOM	This mode allows the fixture to output a static Red, Green, Blue or White colour, or any combination thereof; each colour may be set to any value 0 to 255. (please note warning on P5 regarding use of all colours simultaneously) Any W-DMX input signal, if present, is ignored but in Master mode the setting is transmitted
Function STATIC	In this mode the fixture outputs a static LEE or preset 'cc' colour as selected. The selection is remembered if the unit is switched off then back on or put into another mode. Any W-DMX input signal, if present, is ignored. but in Master mode the setting is transmitted
Function EFFECT	In this mode the fixture outputs patterns and sequences which is described in more detail below. Any W-DMX input signal, if present, is ignored but in Master mode the setting is transmitted.
Function DMX	In this mode the fixture is under control of Wireless DMX (W-DMX) so may be controlled by a W-DMX compatible device or via the DMX input connector Master/Slave and the DMX address are selected within the DMX function mode. Full details are provided below

To change Function press

. Use the keys to select "CHANGE Function" and press to accept.

Then use the keys to select the required function as above and press .
The three modes of operation are discussed in more detail below.

Function CUSTOM

When in Custom Colour mode the display indicates the current selected colour.

Simply press to step through the colours or accept a colour value. Use keys to change the value.

Value range 0 to 255.

Tip: Mix red & blue for purple/pink

Tip: Mix red & green for orange/yellow

Tip: Mix red & green with White for warm shades of white

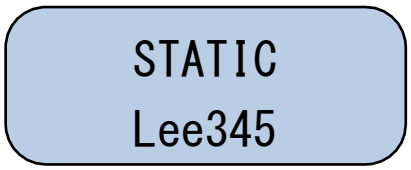
If a white colour effect is desired to be output from the unit it is advisable to use the fixture on single colour white channel only rather than mixing white using R,G & B colours, since the single white is significantly more efficient than the mixed colours and keeps the head/circuit cooler. For shades of white, the white colour can be mixed with other colours to set a different tone. However, the more other colours introduced increases drain on the battery and reduces life before the next charge.

The StripPoint is designed to reach approximately 7-8 hours' life from a full charge with the equivalent of 2 colours on full 100%. This is the same as 1 colour on 255 mixed with 2 colours on 127, or an equivalent value adding up to 512. (e.g White mixed with red and green to make a warm white)

See Section on 'Power' (P5) for warning on using all colours switched on full output

Function STATIC

When in STATIC mode the display indicates the current selected colour.



To change the current selected colour press .
The last character of the currently selected colour is underlined

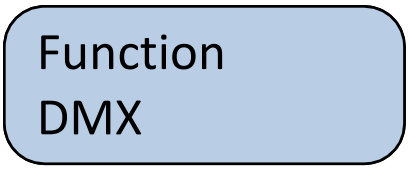
Use the keys to select a colour from the built-in library of 70 pre-programmed colours, including 60 popular LEE Filter Colours

The colour changes when cycling through the available options. The selected colour is only saved when <ENTER> is pressed. If <ENTER> is not pressed, the colour reverts to the previously selected colour after 8 seconds.

Available Colours

cc001	White	**Lee075**	Evening Blue	**Lee157**	Pink
cc002	Half Flesh Tone	**Lee089**	Moss Green	**Lee159**	No Colour Straw
cc003	Full Flesh Tone	**Lee100**	Spring Yellow	**Lee162**	Bastard Amber
cc004	Half Mint Green	**Lee101**	Yellow	**Lee170**	Deep Lavender
cc005	Mint Green	**Lee102**	Light Amber	**Lee174**	Dark Steel Blue
cc006	Half Ice Blue	**Lee103**	Straw	**Lee181**	Congo Blue
cc007	Full Ice Blue	**Lee104**	Deep Amber	**Lee192**	Flesh Pink
cc008	Soft Red	**Lee106**	Primary Red	**Lee199**	Regal Blue
cc009	Soft Green	**Lee107**	Light Rose	**Lee323**	Jade
cc010	Soft Blue	**Lee108**	English Rose	**Lee341**	Plum
		Lee113	Magenta	**Lee345**	Fuchsia
Lee002	Rose Pink	**Lee115**	Peacock Blue	**Lee353**	Lighter Blue
Lee009	Pale Amber Gold	**Lee117**	Steel Blue	**Lee652**	Urban Sodium
Lee010	Medium Yellow	**Lee118**	Light Blue	**Lee722**	Bray Blue
Lee013	Straw Tint	**Lee119**	Dark Blue	**Lee724**	Ocean Blue
Lee015	Deep Straw	**Lee121**	Lee Green	**Lee738**	Jazz Green
Lee017	Surprise Peach	**Lee126**	Mauve	**Lee765**	Lee Yellow
Lee019	Fire	**Lee127**	Smoky Pink	**Lee776**	Nectarine
Lee020	Medium Amber	**Lee135**	Deep Amber Gold	**Lee777**	Rust
Lee024	Scarlet	**Lee136**	Pale Lavender	**Lee779**	Bastard Pink
Lee026	Bright Red	**Lee138**	Pale Green	**Lee789**	Blood Red
Lee046	Dark Magenta	**Lee139**	Primary Green	**Lee793**	Vanity Fair
Lee058	Lavender	**Lee147**	Apricot	**Lee795**	Magical Magenta
Lee068	Sky Blue	**Lee153**	Pale Salmon		

Function DMX

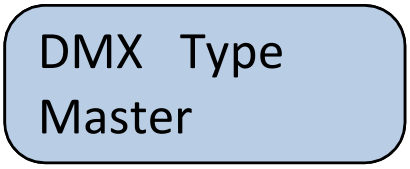


CORE StripPoint is equipped with a Wireless Solution W-DMX wireless radio transmitter and receiver. This allows the fixture colour to be set up by or synchronized with sequences produced by a DMX lighting controller or other StripPoint unit when in Receive, or SLAVE mode.

Alternatively, when in MASTER mode the unit can be linked to many Slave units which will then duplicate the output from the Master on the Slave units.

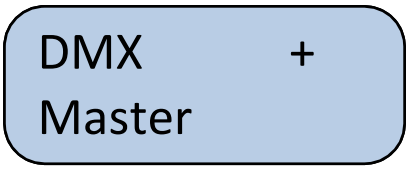
(NB only 4-channel mode is output).

If not using a StripPoint as a Master unit then a compatible W-DMX transmitter attached to a DMX controller is necessary, available separately. This could be a lighting desk, a specific controller, or a CORE ColourPoint, Point 15, 20 or 30 Master unit.



When the 'Function DMX' screen is shown, after a few seconds the screen automatically reverts to the last mode used, either Master or Slave. By pressing the key the 'DMX Type' screen is shown, which allows the user to select the opposite mode using key.

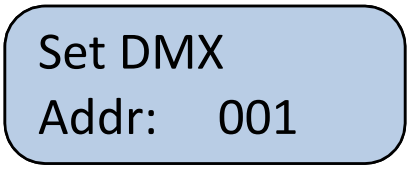
DMX Master Operation



Once Master mode is set change the function to CUSTOM, EFFECT or STATIC and any Slave units will follow the Master.
The Master may be linked to any number of unlinked slaves by pressing the Wireless key momentarily.
The adjacent link light will flash for a few seconds whilst it links to the unlinked slave units then go solid.

While in Master Mode the StripPoint will also output DMX data on the 5-pin DMX Output connector

DMX Slave Operation



When in DMX Slave mode the display will show the current active DMX Start Address so the unit can be controlled from elsewhere.

The fixture can follow data received wirelessly or via the DMX cable input. If the cable input is used please ensure that the wireless card is disabled in the SETTINGS menu.

For Wireless DMX connection (Wireless Solutions W-DMX) the Slave unit needs to be paired with the StripPoint Master unit or W-DMX transmitter which it will receive signals from (see below for W-DMX Pairing).

The number of channels being controlled and the pixel mapping depends on the ***"DMX MODE"*** which is set in settings Menu. (All RGBW pixels will follow the same colour whilst in 4/5 channel mode, whilst in 72 channel mode each of the 18 pixels are independently addressable with 4 colours red, green, blue and white).

In SLAVE mode the entire universe is output on the 5-pin output connector either when used wirelessly or from a cable, which allows this fixture to be daisy-chained to the next fixture cable DMX Input and so on.

See Section 1 on 'Power' (P5) for warning on using all colours switched on full output

DMX Addressing

In Slave mode DMX channel mapping for each Pixel and LED on the fixture can be selected. A pixel consists of 4 leds, Red, Green. Blue, White. Pixel 1 is the right-hand end LED on the batten, pixel 18 is the left-hand end LED (with the LCD screen facing towards the user)

DMX Start Address:

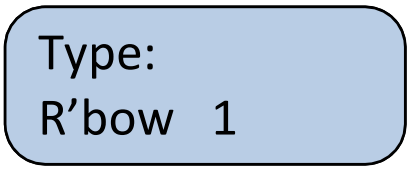
To set the DMX start address press key when the display shows the current address. Use the keys to select the new start address then to confirm.

In Master mode the StripPoint will transit in 4 channel mode only (at the time of going to press).

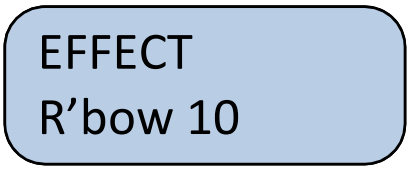
Function EFFECT

The StripPoint is equipped to generate a number of special effects as a stand-alone unit when Function EFFECT is selected. This is true whether DMX is placed in Slave or Master Mode, although at the time of going to press will not output these to connected Slave units when DMX is in Master Mode (this feature may be added as a future development).

By pressing the key the last used effect type is brought up, which can then be changed using the keys.



By pressing the key to confirm the effect type, the speed can be adjusted from a range 1 to 10 using the keys. When confirmed with the key the screen reverts to show the effect and speed.



W-DMX Pairing and Unpairing

StripPoint units need to be manually paired with the lighting control unit equipped with a W-DMX transmitter. This could be a lighting desk with DMX Output, or another CORE Master unit with a W-DMX transmitter inside.

This allows a group of StripPoint fixtures to be controlled from a lighting desk or Master using the built-in colour cycles (inside StripPoint/ColourPoint/Point15/20/30). Or set up individually selected colours across many units at once from just one Master unit.

W-DMX Link LED

The W-DMX link status is shown by the LINK LED, this provides information on the W-DMX link. This follows the same status indication as all Wireless Solution W-DMX products.

When in MASTER mode this LED should be steadily ON except while pairing.

Description for operation in Slave mode:

OFF	If the LED is OFF the StripPoint is **not paired** with a W-DMX transmitter
FLASHING	If the LED is FLASHING the StripPoint is **paired** with a W-DMX transmitter, but the **transmitter is switched off**.
STEADY ON	If the LED is STEADILY ILLUMINATED the StripPoint is paired with, and ready to receive data from a W-DMX transmitter. This is a **fully paired** and **fully functioning** system.
UNEVEN FLASHING	If the LED is FLASHING unevenly, the StripPoint could be **paired** with a W-DMX transmitter, the **transmitter is switched on, but there is no DMX Input to the transmitter**. Alternatively, it could mean a fault condition on the W-DMX card inside the StripPoint.

Unpairing a Slave fixture from W-DMX Transmitter units

- Switch on the StripPoint
- Press and hold the button until the W-DMX LINK LED is turned OFF.
- StripPoint is now **unpaired** from the W-DMX transmitter.

Pairing a StripPoint slave to a W-DMX Transmitter unit or CORE Master unit

- Switch on the StripPoint Slave and ensure it is in DMX Slave Mode (see above DMX Slave Operation).
- Ensure the StripPoint is **unpaired** from any other transmitter (i.e. the LINK LED is OFF) – above Unpairing a Slave fixture from W-DMX Transmitter Units.
- Ensure the transmitter is within range and switched on.
- On most W-DMX transmitters (including CORE ColourPoint and StripPoint units) press the button on the master for about 1s.
- The transmitter will scan for all unlinked receivers for around 10 seconds; the LED will flash on the Slave and Master units during the process of pairing.
- If pairing is successful the LINK LED on the Slave StripPoint will illuminate permanently.
- ALL Unlinked StripPoint units (and other Unlinked W-DMX units too) may be linked at the same time. No apparent limit to the number being paired.
- For receiver units not to be paired with this transmitter, simply switch off those unwanted receivers before this pairing process. They may be paired with a different transmitter after switching on again and repeating the pairing process with the new transmitter.

Pairing with a CORE Point15, Point20 or Point30 Master unit

- Switch on the StripPoint.
- Ensure the StripPoint is **unpaired** from any other transmitter (the LINK LED is OFF) – above.
- Ensure the Master unit is within range and switched on.
- Select MODE MSTR → MSTR DMX → Add Unit → '+' to select 'YES' → to confirm.
- The transmitter will scan for all unlinked receivers for around 10 seconds; the LINK LEDs flash.
- If pairing is successful the LINK LED on the StripPoint will illuminate.

For successful linking the receiver must fulfill the following conditions:

Distance to transmitter (in free air)
- Less than 200m for Micro model transmitter
- Less than 500m for BlackBox or WhiteBox transmitter

Position above obstacles (e.g. crowds and tress)
- Minimum 1m

Pairing a StripPoint Master to other fixtures

- Ensure the fixtures to be controlled are in SLAVE mode and unlinked (the LINK LED is OFF – above.)
- Ensure the Master unit is within range and switched on.
- Press the button for about 1s and the W-DMX led will flash indicating that it is scanning for Slave fixtures. On completion the led will stay on solidly and will glow permantly on the linked Slave fixtures too.

Pairing to a transmitter is remembered after power off or the battery is depleted.

This allows the system pairing to be set up in a warehouse and the whole system simply switched on at the site, which makes deployment very simple.

SETTINGS Menu

A number of parameters can be set up in the SETTINGS menu, this is selected by pressing followed by the keys and the key to select to select "***CHANGE Settings***".

Use the keys to scroll between:

Power Mode	Normal or Longlife operation to give longer battery life
BRIGHTNS Control	Adjusts the light output in stand-alone mode
DMX Mode	Selects the DMX mapping mode between 4, 5, 8, 9 and 72 channels. Details of the mapping are shown below.
PWM Freq	Adjusts the PWM frequency of the LED drive to optimize operation with TV cameras
Lamp Profile	Fade profile selection between Sq. law or Linear
WDMX Power	This was removed from Version2.01 software onwards through the introduction of the DMX menu. It previously disabled the WDMX card to allow cable DMX to be used.
PSU Mode	Switches between PSU Only and PSU plus Battery modes. PSU Only disables battery operation

Power Mode

The "Normal" option provides maximum light output.
"LongLife" reduces the LED output by 50%, therefore enables 2 x running period for ALL FUNCTIONS, whether stand-alone, DMX Master or DMX Slave (even when controlled from another Master).

Having selected Power Mode, Use keys to toggle between "Norm" and "LongLife" then press to save changes. This setting affects all modes so that the battery life each unit can be individually set, irrespective of what's controlling it.

Brightness Control

A separate brightness control that can control the output of the unit in stand-alone mode:

The value may be changed from 0 to 100%

Press and use the keys to select "***CHANGE Settings***" then press . to accept.
Use the keys to select "***BRIGHTNS CONTROL***" and press to select.

Use keys to toggle between "0%" and "100%" then press to save changes. This setting adjusts Static, Cust Col and Effect modes only.

In DMX slave mode the Brightness control will have no effect if the DMX mode includes dimmer data. Ie the Brightness control will be inactive when set to 5 channel and 9 channel mode but active when 4 channel, 8 channel and 72 channel is selected.

DMX Mode

The DMX channel mapping for each LED output on the fixture can be selected. A pixel consists of 4 LEDs: Red, Green. Blue, White. Pixel 1 is the right-hand end LED cluster on the batten, pixel 18 is the left-hand end LED cluster.

DMX form	
4 chan	All 18 pixels are controlled by 4 DMX channels for Red, Green Blue, White. No dimmer channel
5 chan	All 18 pixels are controlled by 4 DMX channels for Red, Green Blue, White and the 5th channel controls the brightness (Dimmer channel)
8 chan	Pixels 1 to 8 on RHS of fixture are controlled by channels 1 to 4 Pixels 9 to 18 on LHS of fixture are controlled by channels 5 to 8. No dimmer channel
9 chan	Pixels 1 to 8 on RHS of fixture are controlled by channels 1 to 4 Pixels 9 to 18 on LHS of fixture are controlled by channels 5 to 8 Channel 9 controls the overall brightness (Dimmer channel)
72 chan	Full pixel mapping such that each led in each pixel is controlled. No dimmer channel

A full mapping table is shown in Appendix 1 of this document.

Press and use the keys to select "***CHANGE Settings***" then press . to accept.
Use the keys to select "***DMX Format***" and press to select.

Use keys to toggle between 4, 5, 8, 9 or 72 Chan mode then press to save changes.

PWM Frequency Control

For HD TV work StripPoint is equipped with an option to adjust the PWM frequency of the LEDs to prevent 'beating' with the TV scan frequency.

Press and use the keys to select "***CHANGE Settings***" then press . to accept.
Use the keys to select "***PWM Freq***" and press to select.

Then use the keys to select a from value from 244Hz to 1.9kHz. Press to save changes and the screen will revert to showing the 'Function' mode.

Beware that when using the higher frequencies the resolution of the colour intensity steps is reduced, so the effect of colour changing can become less smooth and more 'steppy'.

Lamp Profile

The dimming curve can be selected to optimize for different applications
Press and use the keys to select "***CHANGE Settings***" then press . to accept.
Use the keys to select "***Lamp Profile***" and press to select.

Then use the keys to select “Sq. Law” or “Linear” curve. Press to save changes and the screen will revert to showing the ‘Function’ mode.

W-DMX Power

The Wireless DMX can be turned off so the unit will only respond to, and transmit from, the physical DMX connectors

Press and use the keys to select “***CHANGE Settings***” then press . to accept.
Use the keys to select “***DMX Power***” and press to select.

Then use the keys to select “On” or “Off”. Press to save changes and the screen will revert to showing the ‘Function’ mode.

PSU Mode

Use the keys to toggle between PSU Only Mode and Battery + PSU Modes.
This function switches between PSU Only and PSU plus Battery modes.

PSU Only disables battery operation so the fixture can be activated/deactivated by switching on/off the mains power supplied on the input power connector. This is useful in, for example, a stage setting where power to the stage lights is switched on & off from a separate switch.

In Battery+PSU mode the unit remains switched on when external power is removed (until the battery depletes its charge). It also requires the power switch on the front to be pressed to switch the unit on, even when mains power is applied. In this situation, external power is only used for charging the battery until the unit power button is pressed to switch on the unit.

Note that this mode can be a useful feature for providing security lighting if the unit is being supplied on mains power but the supply switches off (eg generator-fed supplies are notoriously unreliable) so StripPoint in this mode can provide a back-up lighting system.

Other Useful Features

Keypad Lock

The keypad may be locked to prevent tampering or inadvertent adjustment of the unit.

To Lock: Hold down the whilst switching ON the unit to Lock.

To Unlock: First switch OFF the unit. Hold down the whilst switching ON the unit to Unlock.

Master Reset

All settings can be reset to the default factory set up by pressing the keys while turning the unit on with the button.

Mechanical

Dimensions

Length : 1000mm
Height: 157mm (with feet attached)
Width: 74mm

Weight: 6.0Kg

Floor mounting: the unit can be pivoted through 90 degrees providing vertical and horizontal beams

Truss mounting options: The unit is supplied with Adjustable feet designed to be attached to standard 10mm mountings. Alternatively the StripPoint can be attached to a baseplate using quick-release, ¼ turn fixings available from CORE Lighting Ltd. This baseplate has 10mm fixings to be attached to trussing walls or other structures.

Safety Fixings: the StripPint has 10mm eyes in the back of the chassis and M10 blind mountings allowing a range of safely clips to be attached.

Antenna

The antenna is a high-gain type similar in performance to the Wireless Solutions W-DMX 2dB standard antenna according to testing. This antenna is now fitted to all CORE POINT units.

Warranty

CORE Lighting Limited (CORE Lighting) warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below).

CORE Lighting will repair or replace (at CORE Lighting's option) this product or any defective parts in this product. The standard warranty period is 24 months from date of purchase, excluding battery pack which is 12 months, although this period may vary from country to country. If in doubt consult your dealer and ensure that you retain proof of purchase.

To obtain warranty service, please contact the CORE Lighting authorised dealer from which you purchased this product. If your dealer is not equipped to perform the repair of your CORE Lighting product, it can be returned directly to CORE Lighting, with carriage being paid at your own expense. You will need to ship this product in either its original packaging or packaging affording an equal degree of protection. Providing the product is found to be faulty, CORE Lighting will pay for return carriage.

Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This Warranty is invalid if (a) the factory-applied serial number has been altered or removed from this product or (b) this product was not purchased from a CORE Lighting authorised dealer.

This Warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than CORE Lighting or a CORE Lighting dealer, or authorised service agent which is authorised to do CORE Lighting warranty work. Any unauthorised repairs will void this Warranty. This Warranty does not cover products sold AS IS or WITH ALL FAULTS.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER. CORE LIGHTING SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY IN THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

Some countries and US states do not allow the exclusion or limitation of incidental or consequential damages or implied warranties so the above exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other statutory rights, which vary from state to state or country to country.

For any service, in or out of warranty, please contact your dealer.

Compliance Information

System Compliance

CORE Lighting Limited declares that this product conforms to the specifications listed in this manual, following the provisions of the European R&TTE directive 1999/5/EC:

Restrictions on Hazardous Substances (RoHS) (2002/95/CE)
Electromagnetic Compatibility (2004/108/EC).
Safety (EN 60950)
Technical requirements for radio equipment. (EN 300 328)

CAUTION—This equipment is intended to be used in all EU and EFTA countries.
Outdoor use may be restricted to certain frequencies and/or may require a license for operation. Contact local Authority for procedure to follow.

FCC & Industry Canada Statement for Radio Compliance

W-DMX Transmitter & Receiver

We,

CORE Lighting Limited
Prindion House
Kingsmill Lane
Painswick
Gloucestershire GL6 6SA

declare under our sole responsibility that the product

FCC ID: UQT-WDMXOEMPCBF
Model: W-DMX OEM PCB F

complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

• Reorient or locate the receiving antenna.

• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Warning for North America, and Australia

Warning! To meet FCC and other national safety guidelines for RF exposure, **the antennas for this device must be installed to ensure a minimum separation distance of 20cm (7.9 in.) from persons**.

WEEE & RoHS Statement

The European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE), requires that products must not be disposed of the normal unsorted municipal waste stream. Appliances must be collected separately in order to optimise the recovery and recycling of the materials they contain and reduce the impact on human health and the environment.

The consumer must contact their local authority or retailer for information concerning disposal of their products.

CORE Lighting provides a take-back facility for batteries used within CORE Lighting products, although the expense for transport remains the liability of the consumer. Please contact CORE Lighting directly if this service is required.

Appendix 1 – DMX Mapping Table

DMX CHANNEL	Rx DMX MODE (selected in SETTINGS menu)				
	4 channel	5 channel	8 channel	9 channel	72 channel
1	RED on all pixels	RED on all pixels	RED on pixels 1-9	RED on pixels 1-9	R on Pixel 1
2	GREEN on all pixels	GREEN on all pixels	GREEN on pixels 1-9	GREEN on pixels 1-9	G on Pixel 1
3	BLUE on all pixels	BLUE on all pixels	BLUE on pixels 1-9	BLUE on pixels 1-9	B on Pixel 1
4	WHITE on all pixels	WHITE on all pixels	WHITE on pixels 1-9	WHITE on pixels 1-9	W on Pixel 1
5		DIMMER on all pixels	RED on pixels 10 - 18	RED on pixels 10 - 18	R on Pixel 2
6			GREEN on pixels 10 -18	GREEN on pixels 10 -18	G on Pixel 2
7			BLUE on pixels 10-18	BLUE on pixels 10-18	B on Pixel 2
8			WHITE on pixels 10-18	WHITE on pixels 10-18	W on Pixel 2
9				DIMMER on all pixels	R on Pixel 3
10					G on Pixel 3
11					B on Pixel 3
12					W on Pixel 3
13					R on Pixel 4
14					G on Pixel 4
15					B on Pixel 4
16					W on Pixel 4
.					.
.					.
.					.
.					.
.					.
61					R on Pixel 16
62					G on Pixel 16
63					B on Pixel 16
64					W on Pixel 16
65					R on Pixel 17
66					G on Pixel 17
67					B on Pixel 17
68					W on Pixel 17
69					R on Pixel 18
70					G on Pixel 18
71					B on Pixel 18
72					W on Pixel 18