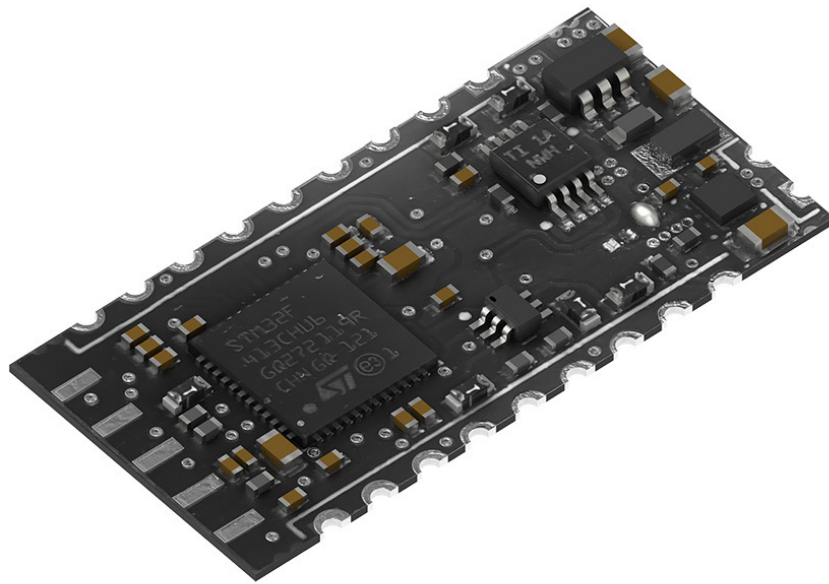


# DiGidot PxLNet Smart Receiver



## Lighting fixtures made smart

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Turn ordinary LED fixtures into smart lights with the PxLNet Smart Receiver. Seamlessly integrate into the receiver in any LED fixture, unlocking a world of possibilities for enhanced control, customization, and real-time adaptability.

# The DiGidot PxLNet Smart Receiver

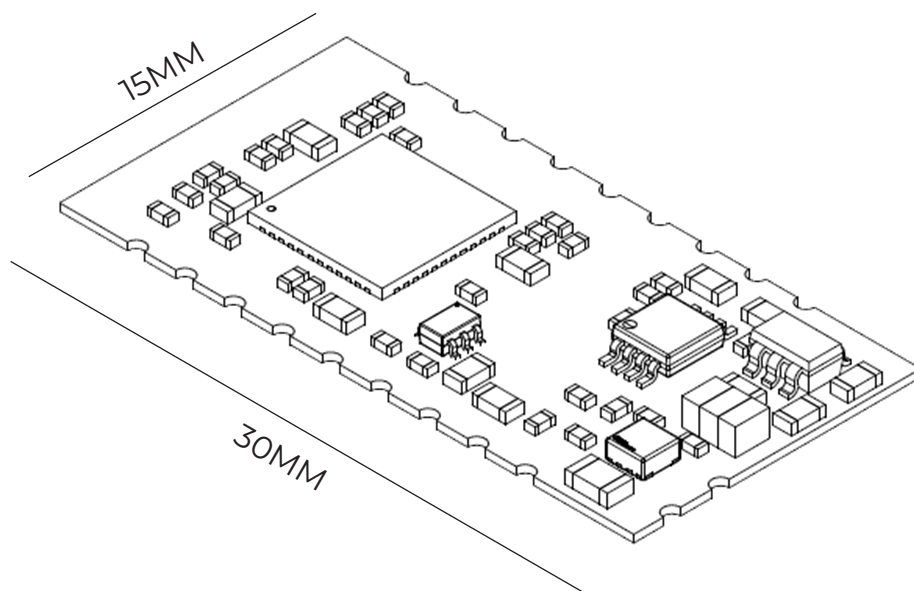
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## Turn any LED fixture into a Smart fixture

Experience the ease of integration with its compact and lightweight design, effortlessly connecting to any LED fixture's PCB.

Unify control with single, unified protocol, eliminating the need for multiple controllers and simplifying maintenance. Embrace ongoing innovation with its upgradeable firmware, staying ahead of the curve with the latest features and enhancements. Harness real-time data exchange with RDM communication, enabling proactive maintenance and effortless lighting adjustments. Enhance responsiveness with its two sensor inputs, connecting environmental sensors for adaptive control tailored to specific requirements. Fine-tune your illumination with pixel adjustments, creating dynamic groups of pixels or adjusting grayscale for personalized ambiances.

Empower your LED fixtures with the PxLNet Smart Receiver and experience the transformative power of smarter lighting.

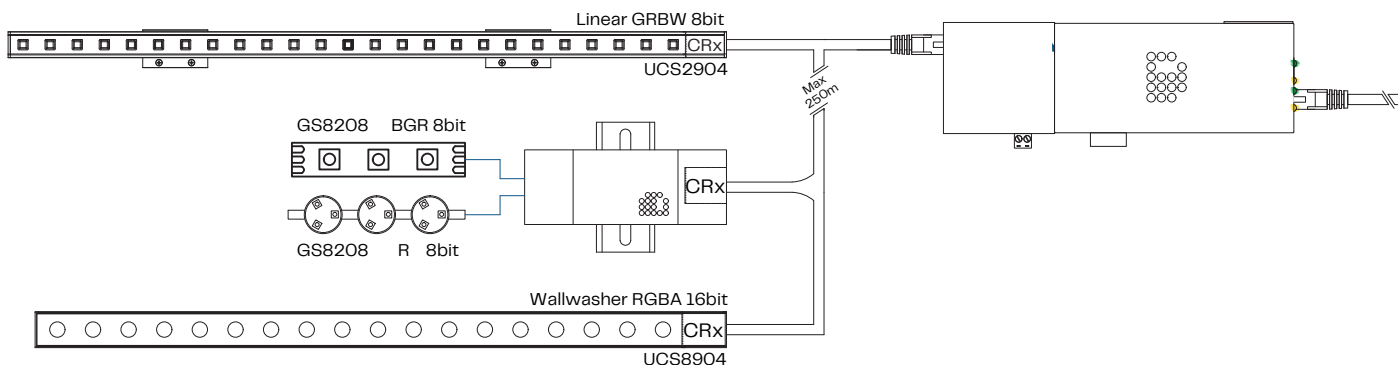


With the PxLNet Smart Receiver, you can turn any LED fixture into a Smart fixture, regardless of the type of protocol the fixture uses. The PxLNet Smart Receiver translates the fixture's protocol to the PxLNet protocol, enabling the fixture to be controlled by any controller.



# Key Benefits of the PxLNet Smart Receiver

The DiGidot PxLNet Smart Receiver is the perfect solution for fixture manufacturers who want to upgrade their LED fixtures to Smart fixtures.



## Easy to integrate

The PxLNet Smart Receiver is easy to integrate into any LED fixture. The module is small and lightweight, and can be easily connected to the fixture's PCB.

## One protocol for all fixtures

The PxLNet Smart Receiver makes it possible to control all LED fixtures in your installation with one protocol. This simplifies the installation and maintenance of your lighting system.

## Upgradable

The PxLNet Smart Receiver is upgradeable, so you can update the module's firmware with new features and improvements.

## RDM communication

The PxLNet Smart Receiver supports RDM communication, enabling the fixture and the controller to communicate with each other. This opens up a world of new possibilities, such as monitoring the status of the fixture and adjusting the fixture's settings remotely.

## Sensor integration

The PxLNet Smart Receiver has two inputs for sensors. These sensors can be used to monitor the status of the fixture or the environment.

## Pixel adjustments

The PxLNet Smart Receiver offers a number of possibilities for adjusting the pixels of the fixture. For example, you can create groups of pixels or adjust the grayscale of the fixture.




# DiGidot PxLNet Smart Receiver Interface

The DiGidot lighting controller is a powerful tool for operating and managing LED lighting. The controller is equipped with an intuitive and user-friendly interface that enables users to configure and operate lighting easily and efficiently.

The interface is designed to enable users to configure and operate the controller easily and efficiently. The interface is intuitive and user-friendly, and provides users with all the features they need to manage lighting.

The ideal solution for fixture manufacturers who want to upgrade their LED fixtures to Smart fixtures.










## Interface Step 1

Product profiles Workflow My Account Log out

### PRODUCT PROFILES

+ ADD PRODUCT PROFILE

Image	Title	Version	Length	Actions
	D Serie - Native DiGi RGBW	1.0	300mm	<a href="#">EDIT</a> <a href="#">DUPLICATE</a> <a href="#">DOWNLOAD</a> <a href="#">DELETE</a>
	CRX-OEM-Factory	1.0	10mm	<a href="#">EDIT</a> <a href="#">DUPLICATE</a> <a href="#">DOWNLOAD</a> <a href="#">DELETE</a>
	Amber Drift	1.0	3000mm	<a href="#">EDIT</a> <a href="#">DUPLICATE</a> <a href="#">DOWNLOAD</a> <a href="#">DELETE</a>
	E6S	1.0	3000mm	<a href="#">EDIT</a> <a href="#">DUPLICATE</a> <a href="#">DOWNLOAD</a> <a href="#">DELETE</a>
	DiGi Custom Mesh	1.0	5000mm	<a href="#">EDIT</a> <a href="#">DUPLICATE</a> <a href="#">DOWNLOAD</a> <a href="#">DELETE</a>
	DMX Beam	1.0	1000mm	<a href="#">EDIT</a> <a href="#">DUPLICATE</a> <a href="#">DOWNLOAD</a> <a href="#">DELETE</a>
	LME #1 - UCS8904 DMX	1.0	1000mm	<a href="#">EDIT</a> <a href="#">DUPLICATE</a> <a href="#">DOWNLOAD</a> <a href="#">DELETE</a>
	LME #2 - DMX+DMX	1.0	10mm	<a href="#">EDIT</a> <a href="#">DUPLICATE</a> <a href="#">DOWNLOAD</a> <a href="#">DELETE</a>
	CRX-OEM-Factory + StatusLED	1.0	10mm	<a href="#">EDIT</a> <a href="#">DUPLICATE</a> <a href="#">DOWNLOAD</a> <a href="#">DELETE</a>

# Interface Step 2

## Edit product profile - LME Box #1 – UCS8904 + DMX – 1000mm

### Fixture information

Product name \*

LME Box #1 - UCS8904 + DMX

Product Image



Product version \*

If you have multiple version of a product you can create a different versions with same product name.

1.0

### Dimensions

Length

Length of the fixture.

1000

mm

Width

Width of the fixture.

50

mm

Height

Height of the fixture.

40

mm

### Electrical properties

Minimal operating voltage

48

Volt

Maximal operating voltage

48

Volt

Power consumption

50

Watt

Current Draw

1

Ampere

### Custom product information

1	Description *	Manufacturer Date
	Value *	08-01-2024

+ ADD PRODUCT ATTRIBUTE

## Inputs \*

<b>Bits</b>	<input checked="" type="radio"/> 8 bit <input type="radio"/> 16 bit
<b>Fallback Timeout *</b> When there is no signal anymore, it takes this amount of time to show the 'fallback color'	3000
<b>Fallback Color and input size *</b> The color, after fallback timeout has been reached (and is not 0) to show on the fixture. Also, you can either put 3 or 4 values over here. Use 4 values if you wish to use the static built in color generator and have RGBW output from the controller	0,0,0,255

## Outputs \*

Define the outputs what you want. The first element is D2 (pin #9), and the second item is D3 (pin #6)

<b>Protocol *</b>	DMX TTL
<b>Color Order *</b> r,g,b	r,g,b,w
<b>Channel count of the whole fixture *</b>	3
<b>Take x amount of channels *</b>	1
<b>Duplicate x amount of times *</b> X amount of channels (filled in above) will be duplicated.	1

## LED Wavelength

Create an item for each LED color in fixture. If you have RGB LED, create 3 items and fill in the color wavelength (NM) of the LEDs. This field is not required.

No items created

ADD ROW

Protocol \*

UCS8904

Color Order \*

r,g,b,w

r,g,b

Channel count of the whole fixture \*

3

Take x amount of channels \*

1

Duplicate x amount of times \*

1

X amount of channels (filled in above) will be duplicated.

## LED Wavelength

Create an item for each LED color in fixture. If you have RGB LED, create 3 items and fill in the color wavelength (NM) of the LEDs. This field is not required.

No items created

ADD ROW

2

+ ADD OUTPUT

## Sensors

Description *	Analog In #1
Type *	Voltage   ⇅
Unit *	Volts DC   ⇅
Min range *	1
Max range *	4095
Normal min range *	5
Normal max range *	4095
Multiplier of value *	1   ⇅
Pin *	<input checked="" type="radio"/> Pin 2 <input type="radio"/> Pin 3
Internal Value	99
Multiplier (1000 = x1.000)	
Internal Value Offset	0

+ ADD SENSOR

## GPIOs

Description of gpio *	StatusLED
Function *	<input type="radio"/> PSU switch <input type="radio"/> On / Off <input type="radio"/> Program out (development) <input checked="" type="radio"/> StatusLED (only Pin 16)
Pin *	Pin 16   ⇅

+ ADD GPIO FUNCTION

### Lock parameters for end user

The user will be able to change the value of the certain parameter if unchecked. For example if you have a product without a fixed number of channels. You can uncheck the checkbox 'Output channels', so the user can adjust the channels with RDM, otherwise the value will be readonly.

- Input protocol
- Input channels
- Fallback settings



### Lock Template \*

This parameter defines, once you've uploaded this template file, if any new template file is allowed to overwrite the existing one or not.

- Anyone with an account can overwrite the saved template file
- Only templates generated with this account can overwrite the saved template file
- Finalize the template forever

UPDATE

## Interface Step 3

Remote device manager ALL DEVICES (2)

#### RDM Devices

DEVICES OVERVIEW Total: 2

Search

#1 - LME#1 - 2024 (1) ^

Port D1 (1/1) ^

D1 AutoOrder

DMX+DMX #2 - Uni: 0 Ch: 1 #3 - Uni: 0 Ch: 0

#2 - LME #2 - 2024 (1) ^

Port D1 (1/1) ^

D1 AutoOrder

DMX+SPI #2 - Uni: 0 Ch: 0 #3 - Uni: 0 Ch: 0

#### Device info - DMX+DMX

DMX+DMX

INFORMATION	CONFIGURATION	SENSORS	ACTIONS
<b>Device</b>			
Model:	CRX		
Manufacturer:	DiGidot Technologies BV		
Category:	Fixture fixed		
Sensor count:	2		
Controller port:	LME#1 - 2024 - D1		
Unique ID:	0x00B60030003A		
<b>Version</b>			
RDM:	2.0		
Software:	FFW: Jan 8 2024 21:53:56.		
<b>Custom manufacturer info</b>			
Manufacturer:	OneEightyOne		
Product name of fixture:	LME Box #2 - DMX + DMX		
Manufacturer Identifier:	7		
Lock:	0=none/1=Only MF/2=locked 0		
Physical length of the fixture (Meters):	1000		

# Contact

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