

# BRIGHTWELL



## BRIGHTLOGIC CONNECTED

LAUNDRY DOSING SYSTEM CONNECTIVITY



INSTALLATION - SETUP - MAINTENANCE

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# GENERAL INFORMATION

## SAFETY INFORMATION



Wear protective clothing, gloves and safety glasses when installing our equipment or when handling chemicals. Follow the chemical manufacturer's guidelines for safety advice.



During maintenance work, depower the equipment whenever possible. Be aware of possible chemical residues that may remain on the various components of the equipment. Please flush the equipment with water before carrying out any work. For information on the products used in this dispensing equipment, refer to the product label and the appropriate Material Safety Data Sheet (MSDS).



Caution! Risk of high voltage electric shock.



Electrical installation should only be carried out by trained personnel and in accordance with local electrical wiring regulations. Disconnect power to the unit and isolate it from any electrical source before servicing.



Do not supply power outside the limits indicated on the rating plate.



Please earth the safety equipment as this increases the dispenser's resistance to electrical noise.



Do not use damaged or frayed cables and prevent this from happening by using, when necessary, protective elements (cable glands, conduits, etc..).



The installation of the metering unit must be carried out according to the instructions in this manual.



Do not fix the unit on an unstable, uneven or non-vertical surface. Make sure that the different elements are well anchored. Do not place heavy objects on them.



This equipment works in a vertical position, with the control cabinet at the top left and the chemical products underneath the equipment. Do not install it in other positions.



Do not disassemble or modify this equipment, at the risk of losing the possibility of warranty. Replacement of components (pumps, pipes, valves,...) or modification of the system must only be carried out by qualified personnel.



Avoid running the system dry as this may cause damage to the dosing pump(s).



Always ensure that chemicals are handled with care and that the dosing equipment area is adequately ventilated.



Do not reach into the mechanisms

# GENERAL INFORMATION

## GUARANTEE

Your product comes as standard with a 2 year warranty from the date of manufacture, against manufacturing fault or defects and mechanical or electrical breakdown. Please visit our website for full terms and conditions. [www.brightwell.es](http://www.brightwell.es)

## BRIGHTLOGIC CONNECTED

Bringing Online Intelligence to Industrial Laundry Dosing

The new IoT Module is a key addition to Brightwell's OPL Brightlogic dosing solution, designed to bring seamless online connectivity, remote functionality, and data-driven insights to existing OPL laundries.

This module transforms traditional setups by enabling smart, real-time control and monitoring of up to 4 Brightlogic units (*depending on system configuration*). Whether installed in small on-premise laundries or scaled facilities, it empowers operators to take full command of dosing operations—from anywhere.

### Key Advantages

**Connected:** Instantly links your Brightlogic system to the Brightwell cloud, allowing remote access, configuration, and monitoring from any device with a browser—no special apps or software required.

**Expandable:** Allows users to seamlessly integrate their existing laundry set-ups into our new cloud monitoring and statistics systems

**Secure:** Access is fully controlled via user permissions. Only authorized personnel, as defined by the company, can access the system, with roles and functions clearly restricted as needed.

**Insightful:** Automatically records operational data—product consumption, alarm history, performance trends, and cost analysis—helping you optimise production, prevent failures, and reduce waste.

The IoT module is the perfect evolution of Brightwell's dosing technology—giving your Brightlogic OPL system the intelligence and agility to meet the demands of modern industrial laundries.

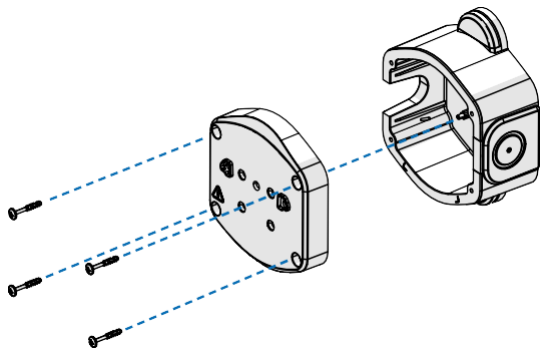
## INTRODUCTION

This manual outlines the procedure to install, configure, and use the IoT module for laundries, which allows connecting up to 4 BL machines to the cloud for monitoring and remote configuration.

## SYSTEM COMPONENTS

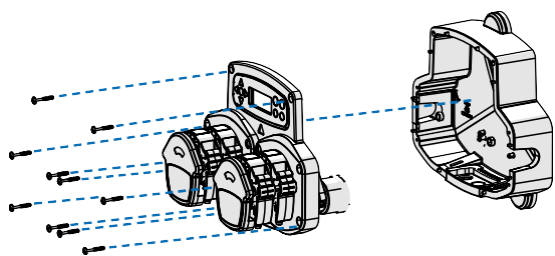
- IoT Module:
- Commercial board
- Voltage converter board (24V to 5V)
- BL machines (up to 4 per module)
- Wi-Fi connection
- Raspberry Pi (initial setup)
- SD card

# INSTALLATION AND CONNECTIONS



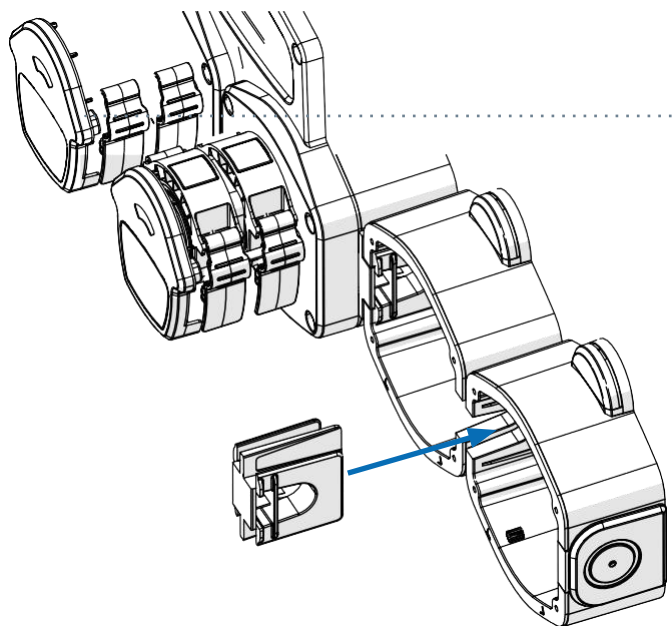
## Step 1

Loosen the cover screws and remove the front cover from your IoT Module.



## Step 2

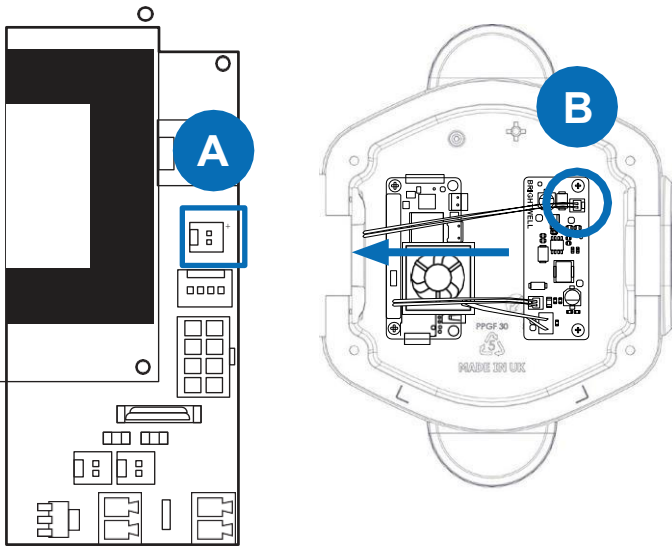
De-power your unit and open the main Brightlogic unit cover and any additional pump modules so you can access the main PCB.



## Step 3

Use your extender connector to attach your IoT Module either to your main unit or the additional pump module.

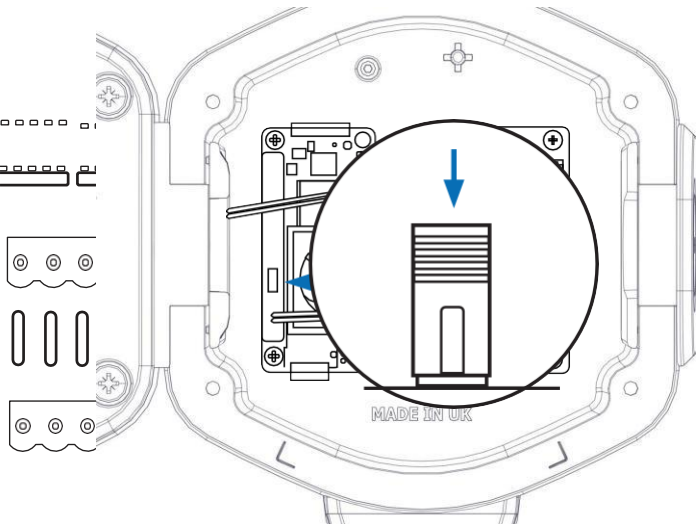
# INSTALLATION AND CONNECTIONS



## Step 4

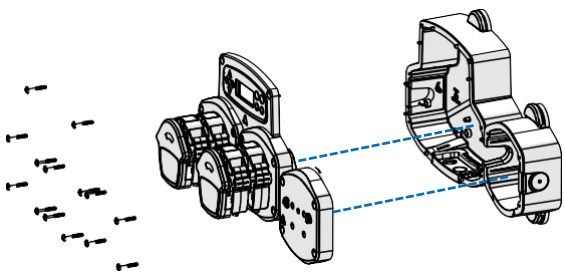
A. Locate the following connector and connect the cable from your Brightlogic IOT unit.

B. Locate the following connector on the PCB and pass the wire through to the main Brightlogic unit.



## Step 5

Confirm that the following jumper is connected to the Raspberry Pi board. As this enables the WiFi on the board.

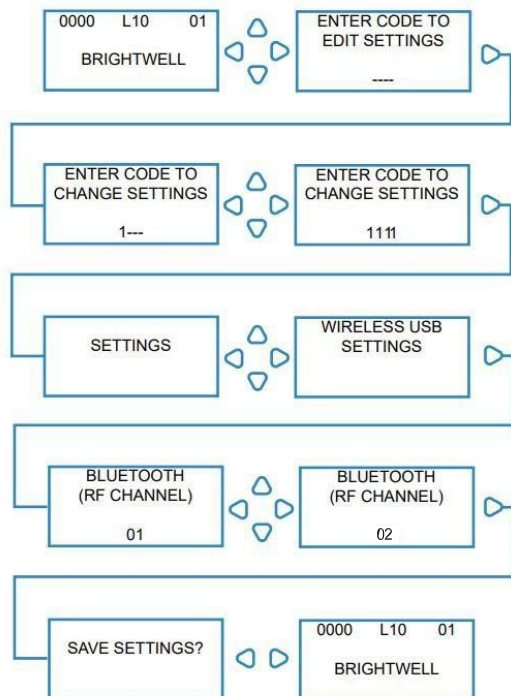


## Step 6

Reattach your front cover and power the unit ready to setup.

# PROGRAMMING & SETUP

## Preparing Brightlogic pumps for connection



### Step 1

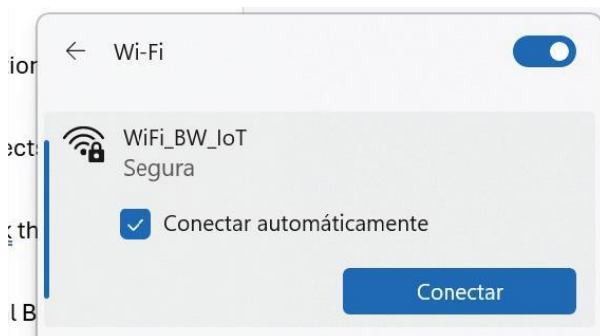
To recognise the pumps the connected box requires the bluetooth channel in sequential order, 1,2,3,4. If using a single unit ensure the pump is in channel 1.

From the default screen, press the FWD/ACCEPT key. Enter the correct four-digit access code using the UP and DOWN keys to select a number and the FWD/ACCEPT key to move on/confirm.

The unit will then give you the option of editing the Settings, press the UP or DOWN key until it displays WIRELESS USB SETTINGS, press the FWD/ACCEPT key.

The Bluetooth channel select menu will appear after the RF channel.

## Connecting to your IOT box



### Step 2

The IOT box will create its own wifi network. To connect you must scan for the Wifi for the unit on your laptop, the name will normally be close to WiFi\_BW\_IoT. Connect and enter the password **brightwell**.

### Step 3

Once you have created a connection to the IOT box you must assign the box a connection to the internet:

On your computer browser visit this IP address

[http://192.168.31.11/wifi\\_conf.html](http://192.168.31.11/wifi_conf.html)

The following will display.

# PROGRAMMING & SETUP

## Connecting to the internet

### Step 4

**BRIGHTWELL**

**BwIoT configuration**

WiFi name (SSID):  
--Select WiFi network--

WiFi password:  
  
☐ Show Password

Number of Brightlogic units:  
4

Main password unit 1:

Main password unit 2:

Main password unit 3:

Main password unit 4:

Read from Brightlogics time:  
--:--  
☒ Enable read time

**Save**

● Connected to "BWSL-WIFI" with Internet access.

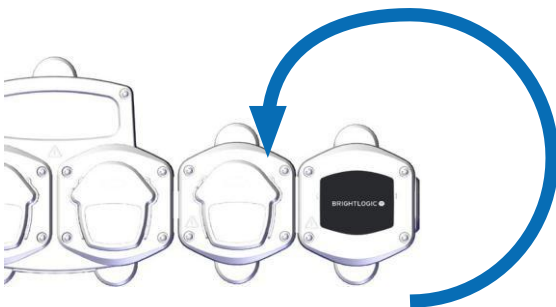
Select your WiFi name and password in the top box located here.

Next, the number of Brightlogic units you are going to connect (Maximum is 4)

Then the passwords for each unit (Default is 1111).

Enable read time: click to read the brightlogic data every hour and minute selected

Once completed press Save to complete the configuration.



### Step 5

Restart the Brightlogic IoT unit and wait up to 3 minutes for the units to connect and setup.

# Guidance

For the web service [www.brightwellcloud.com](http://www.brightwellcloud.com) you can find the instruction manual at [www.brightwell.es](http://www.brightwell.es).

You cannot connect to the pumps via WIFI and Bluetooth at the same time.

Changes made to the configuration of the pump via Wifi can take up-to 5 minutes to process.

Changes made via the bluetooth program will only update at 21:00 CET each day.