



Module CLEA 2

Technical Notice



Réf : PF10M400

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Declaration of conformity



Avertissement

Read these instructions carefully before installing, commissioning and using this product.

1. Technical specifications

Dimensions Module	90 x 10 x 50 mm
Power Supply	230V~ AC 50 Hz (monophasé)
Weight	0.30 kg
indice de protection	IP-55
Bluetooth®	Low Energy (v4.x) Conforme R&TTE Directive 1999/5/EC
Wifi	802.11 b/g/n et "dual band" (2.4 Ghz seulement)
Breaking capacity	Filtration Contactor: 1A

2. Package contents

1 Digital notice (with QR CODE)
1 CLEA 2 Module
1 Wiring diagram

3. Description

The CLEA 2 module is a smart module that can manage pool filtration and lighting using your smartphone (Bluetooth® connection).

Thanks to the CLEA 2 module and its app, setting up your pool's filtration and lighting has never been easier!

Through the application, it is possible to:

- program the filtration operating ranges
- Perform a forced filtration cycle
- Program and select the lighting color (monochrome)

3.1. Bluetooth® Control

- The CLEA 2 module includes a Bluetooth® transmitter, allowing you to control your device via smartphone or tablet. To control the CLEA 2 module, you need an iOS (Apple®) or Android smartphone or tablet equipped with Bluetooth® Low Energy (v4.x). Other operating systems (Windows Phone®, Huawei® >2019, etc.) or devices that do not meet the above hardware requirements



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Only one phone/tablet can be connected to the box at a time. To connect with another device, you must first disconnect from the previous one.

It is possible to automatically update the software embedded in the device. To do this, the phone (or tablet) used for the Bluetooth connection must be within range of the CLEA 2 and covered by a cellular Internet connection (3/4/5G network).

4. Installation and connection

The CLEA 2 module replaces the existing filter timer in your filter box.

Module CLEA 2	Filtration Timer

5. Application

5.1. Application Download

To download the app that controls your CLEA 2 box, scan the QR CODE below or click here. You can also search for "CCEI Connect" in the App Store or Play Store search engine



5.2. Bluetooth® pairing

When connecting for the first time, after selecting your device from the list and in order to pair your smartphone with the Clea 2 module, you must bring your smartphone close to the device, or press button (B) once when prompted by the app and when the A indicator flashes rapidly in blue.



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Pairing can only be done via the provided app. Do not attempt to pair via the smartphone's Bluetooth settings.

6. “Connection” indicator light

Indicator A on the front of the module lights up in different colors and may also flash. Here is a table listing all the states:

Red then Yellow then Green	Startup sequence, performed only when the module is powered up or restarted.
Flashes blue rapidly	Pairing request in progress (a smartphone is attempting to connect). See the Bluetooth® pairing section.
Lights up solid blue	A smartphone is connected to the device via Bluetooth®.
Lights up green (steady or flashing)	Firmware update mode is enabled.
Flashes purple	The firmware update is in progress.

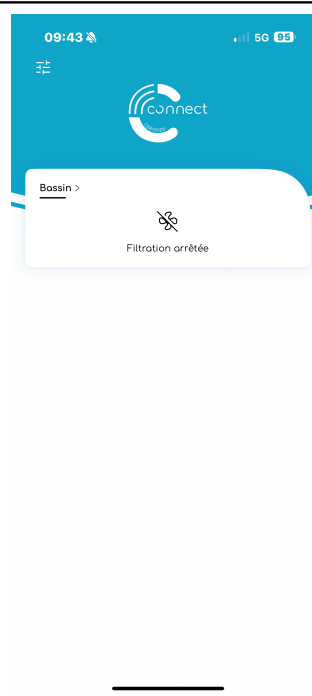
Please note that in bright light conditions, the blue LED is less visible.

7. Operating principles

7.1. Control via the application

The main screen of the application consists of 2 module

- Filtration



7.2. Filtration management

The Clea 1 module allows you to manage your pool's filtration pump.

You can operate the filtration system manually or on a programmed basis.

Clicking on the colored Filtration button allows you to manually start/stop filtration. Clicking on another area of the filtration module opens the "Filtration Details" screen.

7.2.1. Programmation

The app allows you to set up two different programs and choose which day(s) they are activated. This means, for example, that you can set different programming ranges for weekends and weekdays.

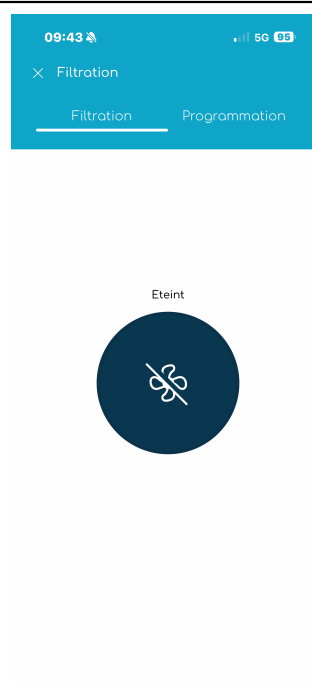
To program filtration intervals, simply open the "Programming" tab.

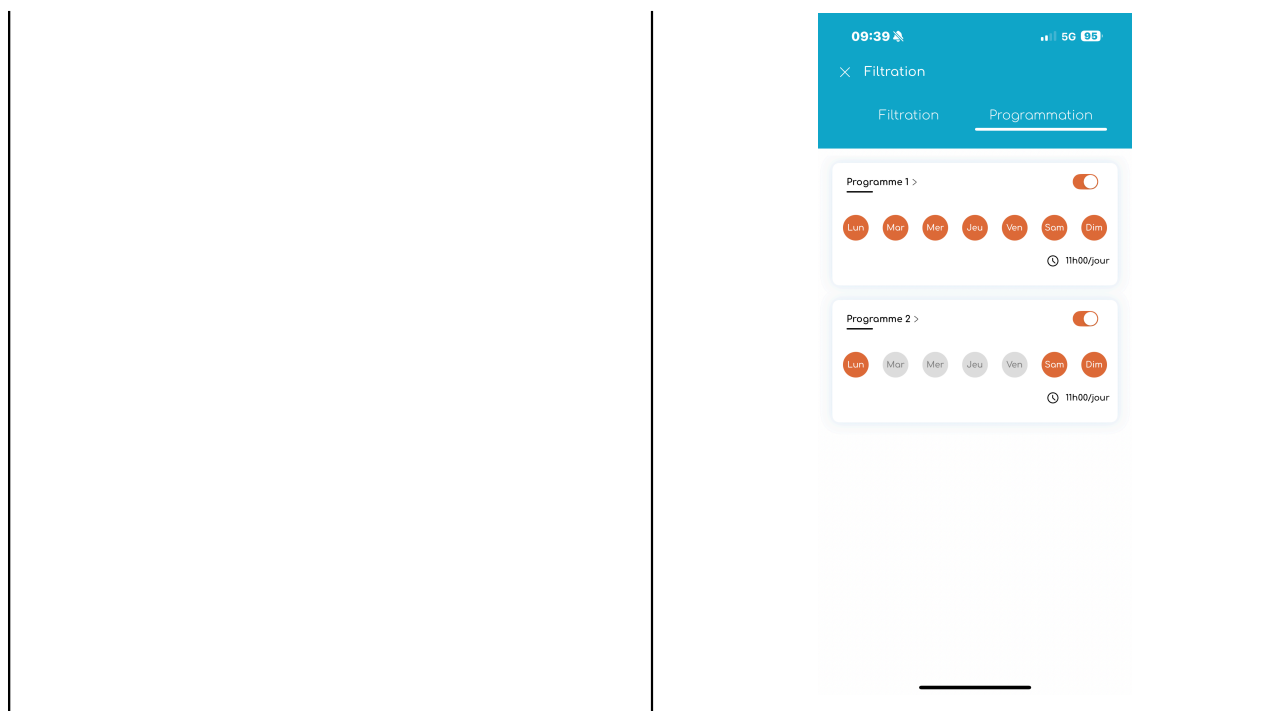
It is possible to create 2 programs and up to 3 ranges per program.



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Each scheduled range can apply to one or more days of the week.





7.3. Lighting management

7.3.1. Compatible projectors

The CLEA 2 module allows you to control the spotlights installed in the pool.

Several control modes are available:

- **Toggle Switch** : to control all multicolor projectors on the market. A micro-cut allows you to switch from one color to the next color/sequence.
- **Monochrome** : ON/OFF mode for pool lights,
- **Dimmable Monochrome** : allows you to control the brightness of the new generation of CCEI monochrome projectors (Mini-BRiO 2 monochrome, for example)



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monochrome The projector type is configured from the "My Device" screen (see "Application settings" section).

7.3.2. Usage

Several programming modes are available:

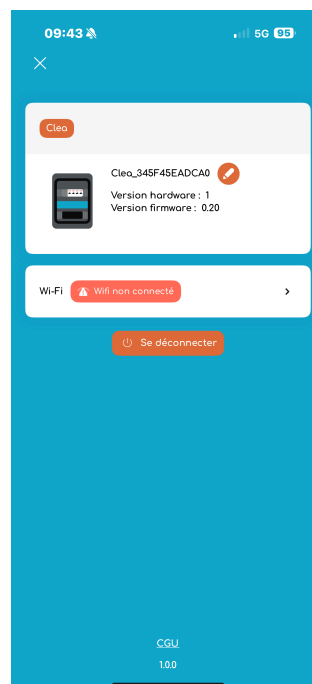
- A clock mode: a start time + an end time (two programs available with configurable days),
- A timer mode: immediate start + switch-on duration,

7.4. Application settings

The “My Device” screen can be accessed from the main screen via the icon. .

This screen allows you to:

- to retrieve information about your device (name, serial number, firmware version),
- to rename your device,
- access the device manual (this document).



7.5. Firmware update

If an update for the firmware embedded in your CLEA 2 module is available, a message will appear when you connect to your device after opening the application.

Follow the steps on the app screen to perform the update.

8. Reset

It may be necessary to perform a reset in order to restore the CLEA 2 Module to its factory settings.

There are two possibilities for this:

With upstream power cut:

1. Turn off the power to the device and wait about ten seconds.
2. Press and hold the **B** button on the device.
3. Turn the device back on while keeping the button pressed.
4. Wait until indicator light **A** flashes rapidly in red.
5. Release the button. **All settings are reset to factory defaults.**



Without upstream power outage:

1. Press and hold the **B** button on the device for approximately 10 seconds.
2. Wait until indicator light **A** flashes rapidly in red,
3. Release the button. **All settings are reset to factory defaults.**



Avertissement

Performing a reset will erase all settings stored in memory (phone pairings, programming, etc.). It is therefore necessary to repeat the commissioning procedure after performing a reset.

CCEI declares that the product meets the safety and electromagnetic compatibility requirements of European directives electromagnetic compatibility requirements of European Directives 2014/35/EU and 2014/30/EU EU and the Radio Equipment Directive 2014/53/EU.		
		Emmanuel Boret Marseille, on 15/05/2024
Distributor's stamp		
Date of sale: Batch N°:		

