



QUICK INSTALL GUIDE



BL-IP



The **BL-IP** is a Bluetooth® and waterproof irrigation controller. It is remotely controlled and it is ideal for installations where there is no power supply, such as valve boxes or an underground technical room.

1 App download

Download the MySOLEM app on your smartphone or tablet from the **App Store** or **Google Play**.



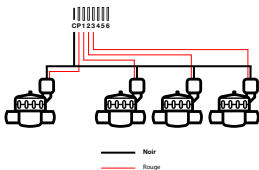
2 Pairing



1. Unscrew the BL-IP's cap.
2. Plug the 9V Alkaline battery and screw the cap.
3. Launch the MySOLEM app.
4. Tap on the « **Add a module** » button or on the « **+** » button.
5. Choose the BL-IP from the list of nearby controllers.
6. To finish the pairing of your BL-IP, follow the next steps described in the app.

3 Valve wiring

1. Connect the BL-IP to the solenoids as shown on the image. Use 9V pulse valves only.
2. (Optional) If you want to install a rain sensor, cut the yellow wire of the BL-IP and connect it to the rain sensor.



4 Programming

If you need more information about the BL-IP or the MySOLEM app, please visit our website <https://solem-irrigation.com/en/> and check for additional information.

5 Water Budget (optional)

The Water Budget adds a percentage of time to the duration of each station. It is normally used when changing seasons. Ex: If you entered Station 1 = 1h on Program A and Station 2 = 0h30 on Program A, then enter a Water Budget 120 % for Program A. When the Program A starts, the stations 1 and 2 will be increased by 20%, (ex 1h12 for Station 1 and 0h36 for Station 2).

MONTHLY WATER BUDGET

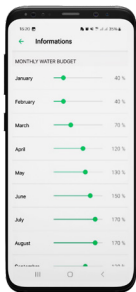
The Monthly Water Budget allows you to add a percentage to the station time indicated in each of your programs. This means you can define a percentage for each month, enabling you to anticipate seasonal weather changes.

The idea is to take as a reference the watering time of each of your stations for the month of July, which will be the maximum watering time. For this month of July, you will define a Monthly Water Budget of 100%. The other months will have lower percentages. For example: March = 50%, May = 80%.

This Monthly Water Budget is added to the Water Budget indicated in the program.

SETTINGS

By default, if you don't use it, the Monthly Water Budget is automatically set as 100% for every month of the year. To set up the Water Budget functionality:



1. Connect to the programmer by activating your phone's Bluetooth.
2. Go to the product settings by clicking the **gear icon** at the top right of the screen.
3. Click on « **Monthly Water Budget** ».
4. Adjust the water budget for each month.
5. Once your changes have been made, submit the new settings by clicking on the « **send** » button for iOS or the arrow at the bottom right of the product's main screen for Android phones.

What are the features required for the Bluetooth® product to work?

Android: Smartphone or tablet running Android 4.3 or greater with Bluetooth Smart 4.0 or greater.

Apple: iPhone or iPad running iOS 9.0 or greater with Bluetooth Smart 4.0 or greater.

Why is my station not starting?

For each station, you must set a time duration and assign it to a program (A, B or C).

If multiple stations are assigned to the same program, they will start one after the other.

Why is my Program B not starting?

If the start time of the Program A is the same than the Program B, the two programs will be executed one after the other, starting with Program A.

What is the P Output?

It is an output where you can connect a master valve or a pump. The output will automatically start 2s before each station and during the watering of each stations.

What can I find the S outputs (Yellow Wires) of the programmer?

You can connect a Rain Sensor on the S outputs by cutting the Yellow wire.

How can I restart the initialization procedure (Ex: change the router access point) ?

To reset a device or restart an initialization procedure, short circuit the 2 pads of the battery pressure (remove the 9V battery before) for 30s minimum.

If I have a power cut, do I lose any programs?

Programs are never lost, they are saved in a memory.

How can I restart a program?

Go to the application, enter the product and then open the parameters and select « **Clear programs and durations** ».

EUROPE: DECLARATION OF CONFORMITY

Solem Electronique has declared that the BLE irrigation controller type BL-IP complies with the essential requirements of the European directives:

Directives 2014/53/EU (RED):

Harmonized standards:

BLE standard: ETSI EN 300 328 v2.2.2

EMF standard: EN 62311 (2008) and recommendation 1999/519/CE

EMC standard: EN 61000-3-2 (2019) / EN 61000-3-3 (2013 + A1/2019)

& ETSI EN 301 489-1 v1.1.1 & EN 301 489-17 v3.1.1

Electrical Safety Standard: EN 62368-1 : 2014

RoHS directive 2011/65/EU & amendment of directive (EU) 2015/863

Clapiers, 23/11/2023

SOLEM ELECTRONIQUE

ZAE La Plaine

5, rue Georges Besse

34830 Clapiers,

FRANCE

Oliver Aussillous

Industrial Manager



FCC NOTICE

Caution: the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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 instruction, may cause harmful interference is not guaranteed 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 to correct interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is disconnected.
4. Consult the dealer or an experienced radio/TV technician for help.

This device complies with FCC RF radiation exposure limits set forth for general population. This device must be installed to provide a separation distance of at least 20cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

IC STATEMENT

This class (B) digital apparatus complies with Canadian ICES-003.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device complies with Industry Canada license-exempt RSS standards). Operation is subject to the following two conditions:

1. This device may not cause interference,
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This device complies with Industry Canada RF radiation exposure limits set forth for general population. This device must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.