



SAMCLA INFINITE HUB APP

QUICK GUIDE

Preliminary

DEFINITION

- Samcla Infinite HUB is the Smartphone or Tablet application intended to manage all Samcla Infinite devices in Infinite HUB operating architecture.
- All Samcla Infinite devices are available to be used under this operating architecture.
- Samcla Infinite HUB APP contains the basic functions in order to manage all Samcla Infinite devices in field: installation, maintenance and test.
- Many additional functions, like those regarding users management or devices programming can be found in the Samcla Smart Platform web application (<https://ssp.samcla.com>). Refer to the Samcla Smart Platform WAPP quick guide for further information.
- Please download the Samcla Infinite HUB APP into your Smartphone or Tablet in order to proceed and log in.
- Smartphone Internet connection is required to operate with this APP.

CLIENT ACCOUNT

- A client account or an user access is required to run the Samcla Infinite HUB APP.
- Please, start Samcla Infinite HUB APP and sign up if you don't have either a client account or an user access.
- Any device installed into a client account belongs to this client account and it could not be installed into another one unless it is removed first.
- An admin user access is automatically created when creating a client account.

EXTERNAL USERS

- From my client account, I can invite users from other client accounts in order they could manage my devices. They are called external users.
- In the same way, I could be invited to other client accounts as an external user, so I could manage devices which belong to other client accounts.

MY DEVICES

- List of devices which belong to my client account.
- Devices removed from this list will also be removed from the Samcla Smart Platform.

HUB Station

INSTALLING

- Smartphone Internet connection is required during installation.
- Select "+" option to add a new device.
- Type the PSN of the device (290...), type a name or description, choose a location on the map and save.
- Now the new HUB should be in the list of the main screen.
- Proceed as follows according the desired Internet connection of the HUB.
- In case you want to use a private LAN (Local Area Network), please check your firewall in the way that OUTPUT ports TCP 8001, TCP/UDP 123 and TCP/UDP 53 are open.

DHCP (AUTOMATIC) ETHERNET CONNECTION

- Local Bluetooth connection to the HUB is not necessary in this case.
- Confirm the network server is ready to operate in DHCP (automatic) mode.
- Connect the Ethernet cable to the HUB.
- Power on the HUB and wait until de "www" led remains ON and "i" led remains OFF. Now HUB is on line.
- Click on the HUB in the list to enter settings screen in the APP.
- Enable the HUB by clicking enabling button.
- Exit settings screen of the HUB.

STATIC (MANUAL) ETHERNET CONNECTION

- Confirm the network server is ready to accept the expected static (manual) IP mode.
- Connect the Ethernet cable and power on the HUB.
- Click the HUB in the list to enter settings screen in the APP.
- Start Bluetooth connection between the APP and the HUB using the floating Bluetooth button on the APP.
- Select the manual option for Ethernet connection.
- Type the IP Address, the Subnet Mask and the Router IP. Then click send button.
- Enable the HUB by clicking enabling button.
- Stop Bluetooth connection using the same floating Bluetooth button on the APP.
- Exit settings screen of the HUB.

WI-FI CONNECTION


- Confirm the Wi-Fi network server is ready and the Wi-Fi signal level is high enough in HUB location.
- Power on the HUB.
- Click the HUB in the list to enter settings screen in the APP.
- Start Bluetooth connection between the APP and the HUB using the floating Bluetooth button on the APP.
- Type Wi-Fi name (SSID) and the password. Then click send button.
- Enable the HUB by clicking enabling button.
- Stop Bluetooth connection using the same floating Bluetooth button on the APP.
- Exit settings screen of the HUB.


REP Station


INSTALLING

- Fix the device in the desired location and remove the battery plastic tab and the solar panel protections.
- Select "+" option to add a new device.
- Type the PSN of the device (290...), type a name or description, choose a location on the map and save.
- Now the new REP should be in the list of the main screen.
- Click on the new REP in order to enter device settings.
- Select Network options and nearby devices will be shown on the map.
- Select its parent device from the map, that is, the device which the REP will be connected to the network through. Then click Connect.

TEST FUNCTIONS

- Enter device settings screen and click on  button in order to expand additional functions.
- Test functions:

 **Blink Led:** Device led will start blinking for ten times. Use this function in order to identify devices in field.


 **Status check:** Choose this function if you want to check device battery and RF levels. In this case screen controls will be updated accordingly.


SBS General Purpose Sensor


INSTALLING


- Fix the device in the desired location and remove the battery plastic tab and the solar panel protections.
- Select "+" option to add a new device.
- Type the PSN of the device (290...), type a name or description, choose a location on the map and save.
- Now the new SBS should be in the list of the main screen.
- Click on the new SBS in order to enter device settings.
- Select an area from the list and save.
- Select Network options and nearby devices will be shown on the map.
- Select its parent device from the map, that is, the device which the REP will be connected to the network through. Then click Connect.
- Select what kind of sensor are you going to manage from the list, then click Save.
- Select the contact operation mode, write a description (label) for each sensor position and the corresponding reconnection delay if desired, then click Save.
- Click Enable to finish installation.

TEST FUNCTIONS

- Enter device settings screen and click on  button in order to expand additional functions.
- Test functions:

 **Blink Led:** Device led will start blinking for ten times. Use this function in order to identify devices in field.

 **Status:** Choose this function if you want to check device battery and RF levels. In this case screen controls will be updated accordingly.

 **Read:** Choose this function if you want to check current device input status.


SBP Irrigation Controller


INSTALLING

- Insert batteries. Status led should blink twice.
- Select "+" option to add a new device.
- Type the PSN of the device (290...), type a name or description, choose a location on the map and save.
- Now the new SBP should be in the list of the main screen.
- Click on the new SBP in order to enter device settings.
- Select an area from the list and save.
- Select Network options and nearby devices will be shown on the map.
- Select its parent device from the map, that is, the device which the REP will be connected to the network through. Then click Connect.
- Select the operation mode from the list, then click Save.
- Click Enable to finish installation.



TEST FUNCTIONS


- Enter device settings screen and click on  button in order to expand additional functions.
- Test functions:






 **Blink Led:** Device led will start blinking for ten times. Use this function in order to identify devices in field.

 **Status:** Choose this function if you want to check device battery and RF levels. In this case screen controls will be updated accordingly.

EDIT FUNCTIONS


- Enter device settings screen and click on  button in order to expand additional functions.
- Click on  to show edit functions menu.
- Edit functions:


 **Manual watering:** Several manual watering sequences could be defined in this screen. Each sequence will be run one after the other. Choose the watering time and the stations to run in each

sequence, then choose  to start the manual watering program. A specific water budget control for manual watering program is available. Watering durations under the minute could be achieved by using this control . Choose  to save the program. Cancel watering at any time by clicking . Click on  to delete the whole watering program. If necessary,

sequences could be deleted individually by swiping to the left  on each sequence.

In case the controller is attached to other controllers or a master valve, automatic commands will be sent accordingly to the rest of controllers. This may take some time. Keep in mind that manual watering could only be guaranteed if all communications have been successfully completed.

 **Water budget:** Water budget function for the scheduled programs of the controller. In case the controller is attached to other controllers or a master valve, automatic commands will be sent accordingly to the rest of controllers in order to resynchronize start times and durations. This may take some time.

 **Run/Stop/Pause:** In Run mode scheduled programs will be run as expected. In Stop mode irrigation programs remain residents, but they will not run any more. In Pause mode irrigation programs stay in Stop mode for a specific number of days, after this period they will back to Run mode automatically. In case the controller is attached to other controllers or a master valve, only the current controller will be modified, no resynchronization to the rest of controllers is done.

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