

THE WALL KIT INSTALLATION MANUAL



Dear Customer

Please read the User Guide and Installation Manual carefully before operating this unit.

Please keep the User Guide and Installation safe and with the unit.

Examine the equipment immediately after supply for transport damage. Contact your equipment supplier and/or carrier if necessary. Damage, which arises by inappropriate treatment or operation, is not subject to guarantee \ warranty.

Equipment manufactured or supplied by Drinkotec complies with the current legislation and standards of the EU and represents the current standard of technology. Safety during operation may only be assured by following the instructions in this guide.

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Drinkotec typically designs for a **5-10-year** product lifetime dependent upon the type of equipment.

This document has been prepared with the greatest possible care. However, Drinkotec Sarl. assumes no responsibility for errors or omissions. The same applies to any damage resulting from the use of information contained in this manual.

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WARNINGS

WARNING

Do not operate equipment that has been misused, neglected, damaged, or altered/modified from original manufactured specifications.

WARNING

All covers and access panels must be in place and properly secured, before operating this equipment.

WARNING

Do not store gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.

WARNING

It is the responsibility of the equipment owner to perform a Personal Protective Equipment Hazard Assessment to ensure adequate protection during maintenance procedures.

CAUTION

Do not clean with water jet. Unit is not suitable for installation in an area where a water jet could be used.

WARNING

When using electric appliances, basic precautions must always be followed, including:

- a. Read all the instructions before using the appliance.
- b. Close supervision is necessary when an appliance is used near children to reduce the risk of injury,
- c. Only use attachments recommended or sold by the manufacturer.
- d. Do not use outdoors.
- e. For a cord-connected appliance, the following must be included:
 - Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
 - Unplug from outlet when not in use and before servicing or cleaning.
 - Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions or is dropped or damaged in any manner. Contact the nearest authorized service facility for examination, repair, or electrical or mechanical adjustment.
- g. Connect to a properly grounded outlet only.

GENERAL DESCRIPTION AND FUNCTION OF THE UNIT

INTRODUCTION

The Wall is a self-service dispenser for postmix and/or premix beverages.

It can operate in a self-service mode, with an RFID system (employee card, loyalty card, etc.) or with payment by Credit Card.

- In RFID configuration, service and debit from the RFID badge is done by the milliliter, based on the price-per-liter set when creating the default portion of a product.
- In configurations without an authorization module (self-service) or with credit/debit card payment terminal, the servicing will be based on the portion sizes and prices configured.

Each Wall can manage up to 3 taps, and drinks can be dispensed in Push & pour or Portions with automatic or manual taps.

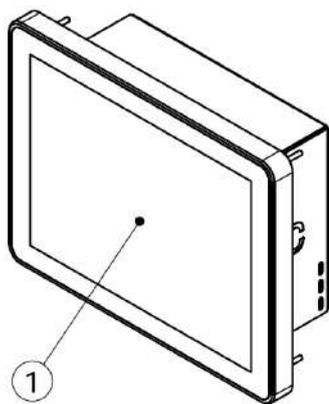
The Wall is installed with an end of keg detection system as well as turbines for accurate counting of dispensed volumes (premix and postmix).

The Wall adapts to your space and comes in 2 versions: The Wall Kit or The Wall Countertop.

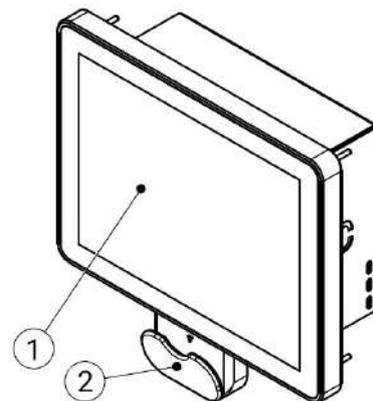
PRESENTATION

USER SIDE

Normal Screen



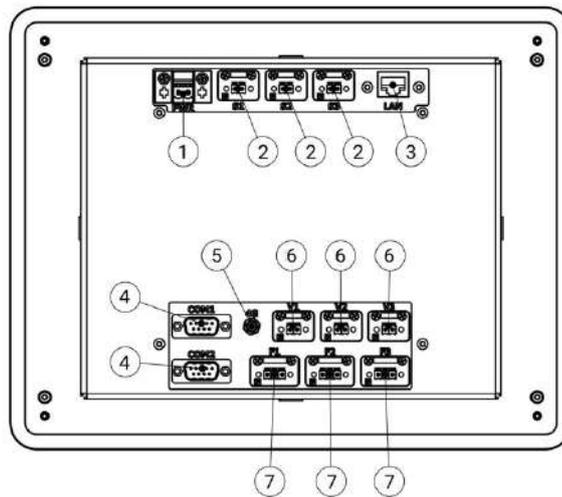
RFID Screen



1) Touchscreen 12'1"

2) RFID reader

CELLAR SIDE



- 1) Power connection
- 2) Foam detector connections
- 3) Ethernet connection
- 4) Payment system connections

- 5) 4G antenna connection
- 6) Valves connections
- 7) Flowmeters connections

TYPE OF TAPS



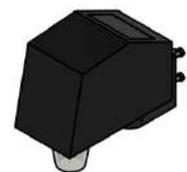
Manual
Premix



Automatic
premix



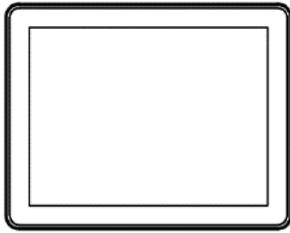
Manuel
Postmix



Automatic
Postmix

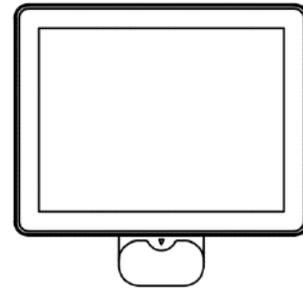
3 CONTENT OF YOUR PACKAGE

SCREEN



Normal Screen module

or



RFID screen module

VALVES

Depending on your order & number of valves for each screen.



Manual Premix

or



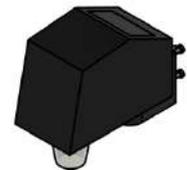
Automatic premix

or



Manuel Postmix

or



Automatic Postmix

OTHER ELEMENTS



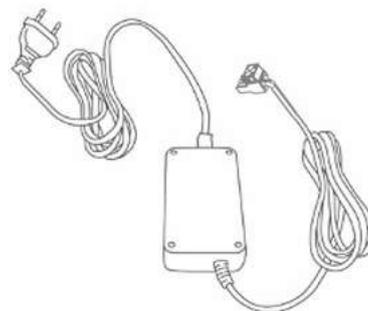
4 x nuts
screwed to the
back of the
screen block



Valve block



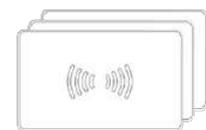
Drilling template



Power cable



4G antenna

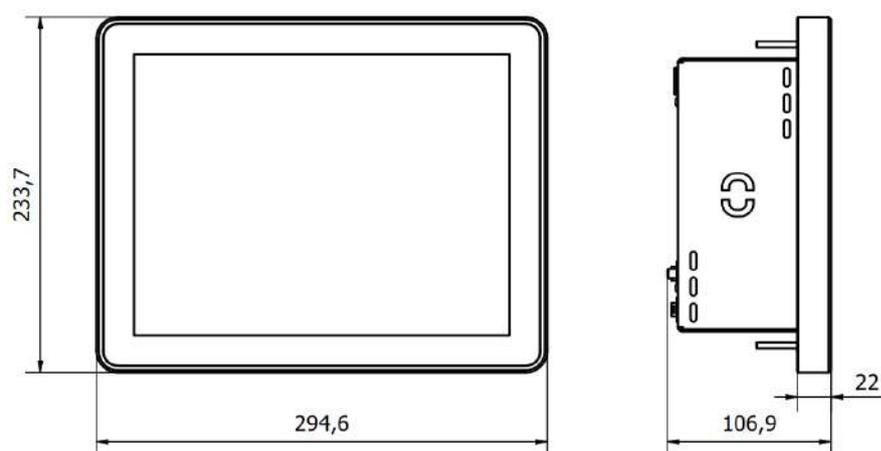


x10

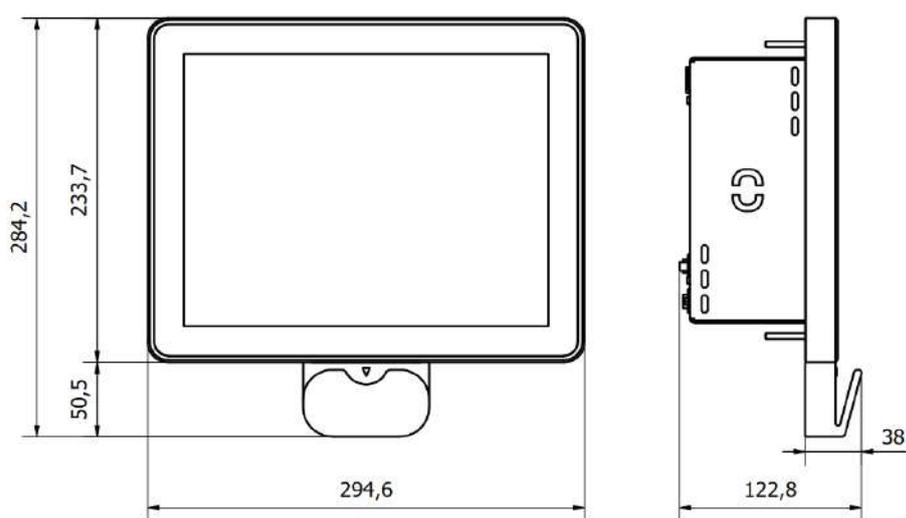
RFID cards for
RFID version

DIMENSIONS

NORMAL SCREEN



RFID SCREEN



INSTALLATION & COMMISSIONING OF THE UNIT

TECHNICAL REQUIREMENTS

GENERAL REQUIREMENTS

- 4G must be available. You can check this directly on your smartphone. If 4G is not available, the Wall must be connected via RJ45.
- The device must be fixed to a wall in a stable, vertical position.
- The device must be integrated into a wall accessible from both sides.
- The wall where the Wall is installed must have a maximum thickness of 2cm. If this is not the case, the screen module's default rods will have to be replaced by longer ones.
- Do not install or use the device outdoors.

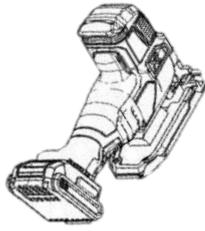
To facilitate installation, two people are recommended.

DEVICE REQUIREMENTS

The electrical supply should support the following settings:

- Voltage: 100-240 V
- Frequency: 50 Hz
- Power: 90 W
- AC current:
 - 0.95A@115VAC
 - 0.5A@230VAC
 - 0.4A@277VAC
- Power supply input: 100-240V 0.95A
- Power supply output: 24V 3.75A

USEFUL TOOLS



Jigsaw



Drill



Drill bell

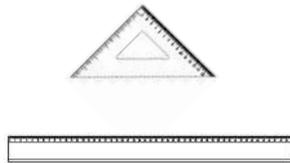
Ø depending of each valves



Drill bit Ø 6mm



Ajustable wrench



Set square and 500mm ruler

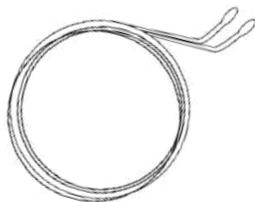


Pencil

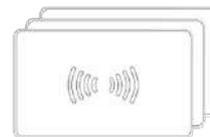


Graduated dosing unit

INSTALLATION KITS (OPTIONAL)



13.46.72: 10 meter 4G antenna extension



x10

03.16.20: Set of 10 RFID cards

COMMISSIONING INSTRUCTIONS

FIXING

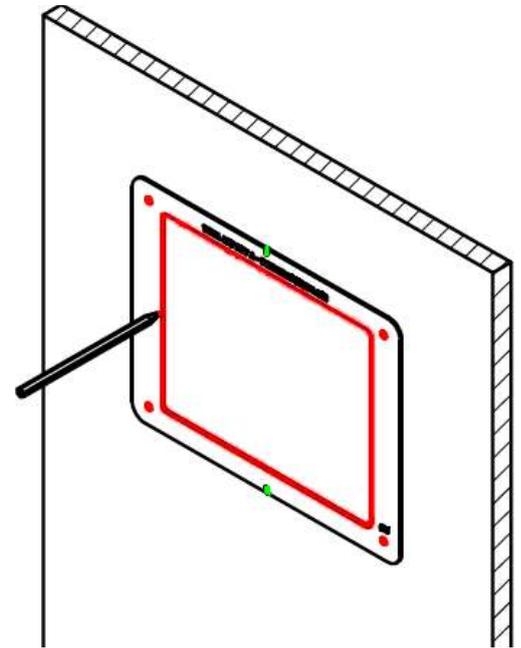
- a. Use the template to choose a position for the screen on your wall.

Adjust the screen height based on:

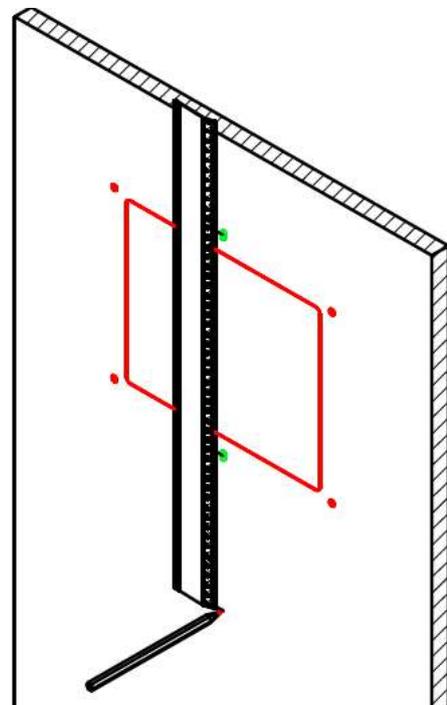
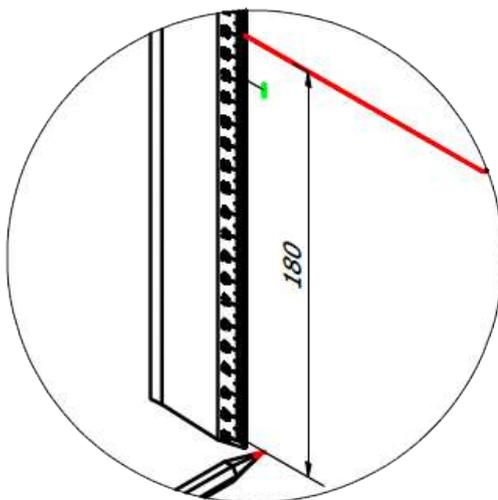


- Eye level
- Tap handle size
- Drip tray location and glass size

- b. Using a pencil, mark the holes to be drilled (indicated in red) and the central notches for the next steps (indicated in green).

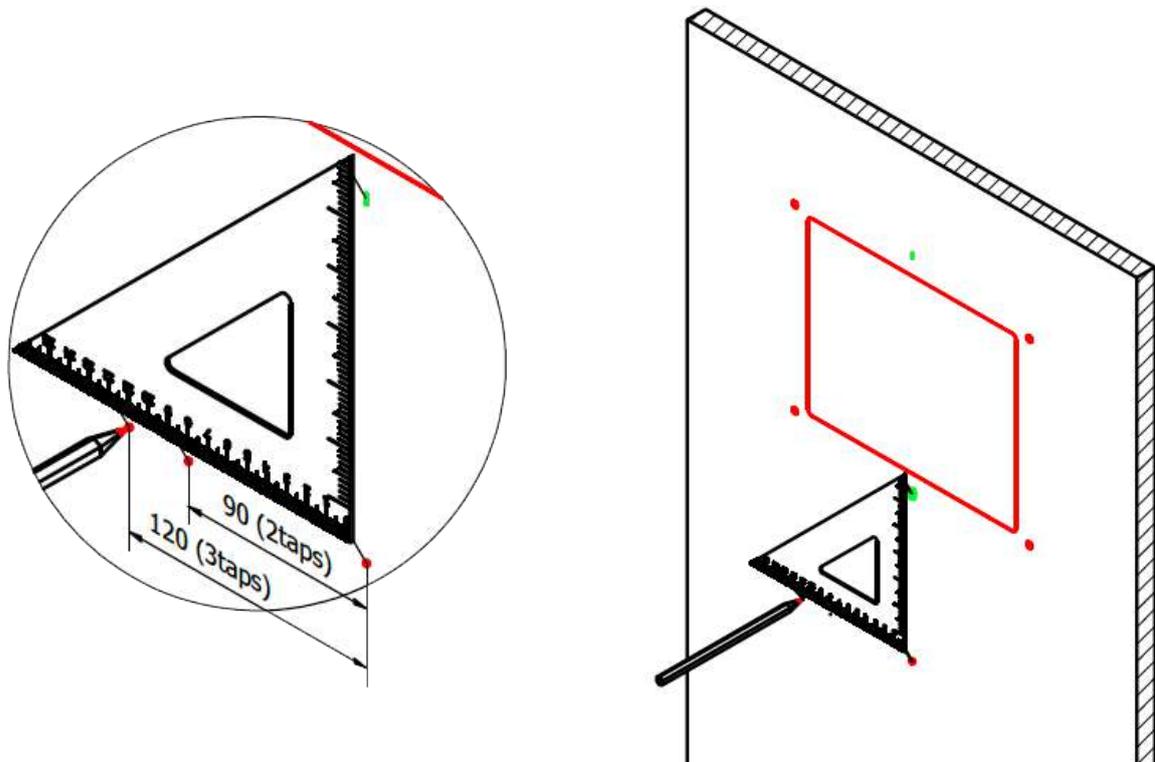


- c. Align the ruler with the notches previously marked, then measure 180 mm from the bottom of the template to mark a central point for drilling the tap locations. This point will be the reference for drilling in the case of a 1-tap configuration.

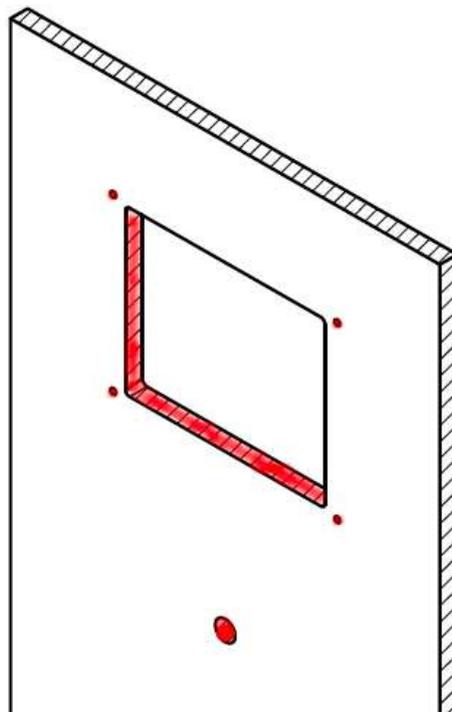


The above dimensions are for installation of an FC4 tap with standard handles. The distance between the center point & the bottom of the screen must be adapted to suit your own taps.

- d. For 2 or 3 taps configurations, mark the center points for 2 or 3 mirrored taps using the set square as explained below.

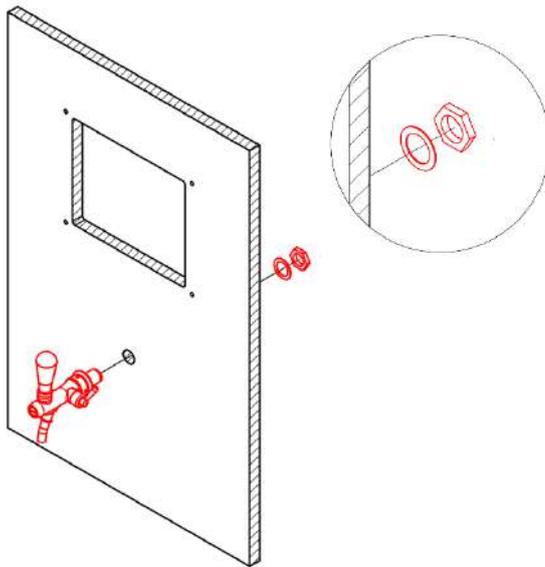


- e. Using the appropriate tools, drill the holes marked previously (highlighted in red in the drawing below).
The screen fixing holes have a diameter of 6 mm.

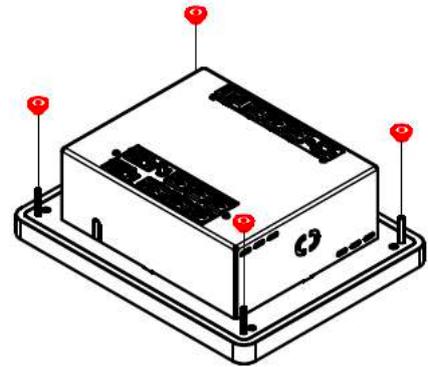


COMMISSIONING

- a. Fix the tap(s) on the wall according to your configuration.

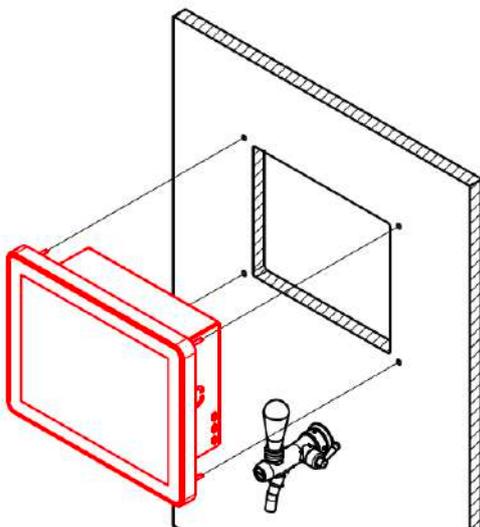


- b. Unscrew the 4 nuts on the screen module rods.

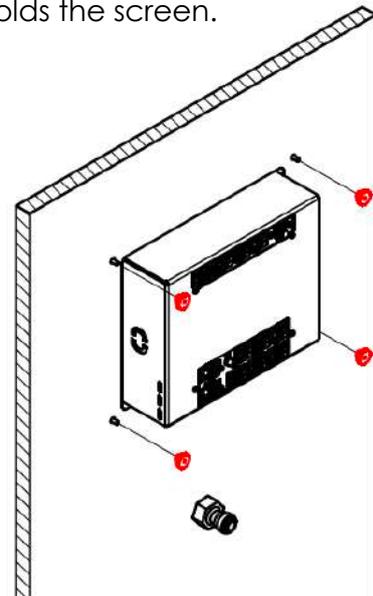


If your wall is more than 2 cm thick, you'll need to replace the screen module rods. Standard rods are M4 - 350 mm long.

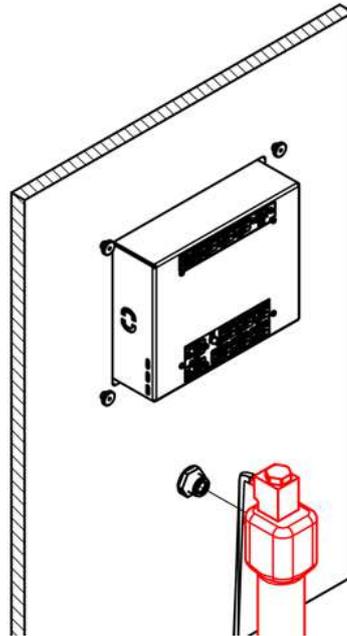
- c. Insert the screen module into the pre-drilled holes.



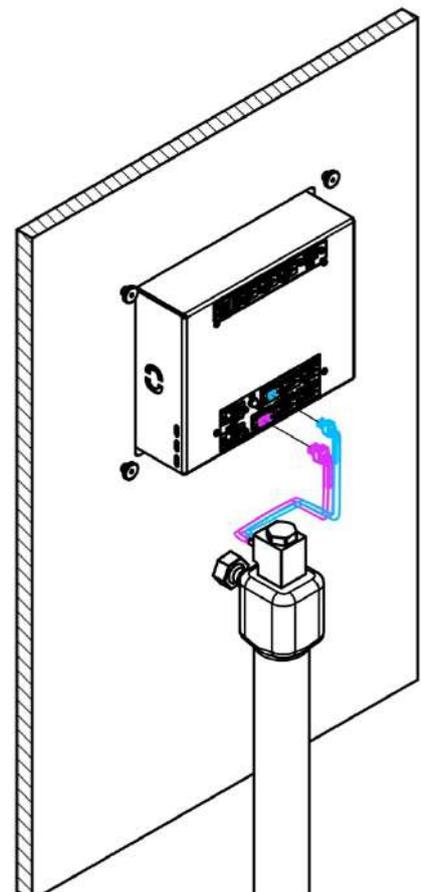
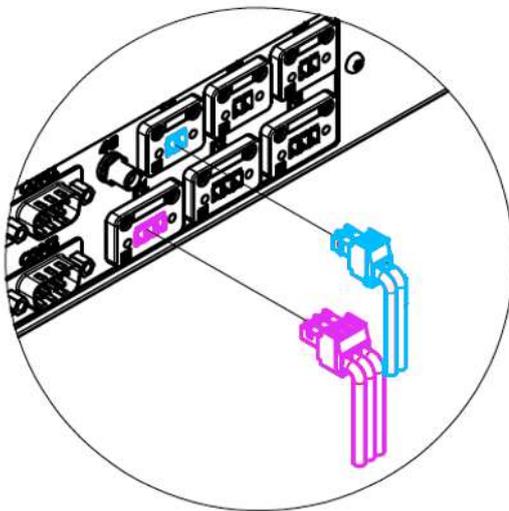
- d. Screw the 4 nuts into the screen module rods on the other side of the wall, while another person holds the screen.



- e. Connect by screwing the valve block stem to the tap.



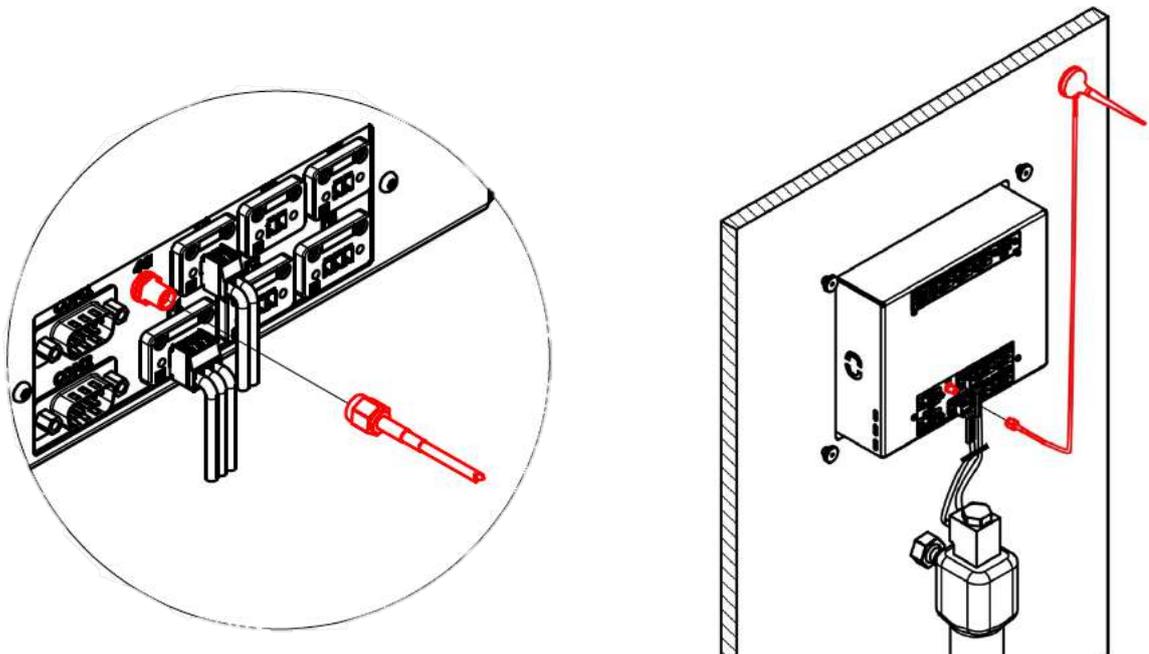
- f. Connect the two valve plugs to the rear of the unit.
The triple plug shown in purple to slot 1 for valve 1 & the double plug shown in blue to slot 1 for valve 1 flowmeter.



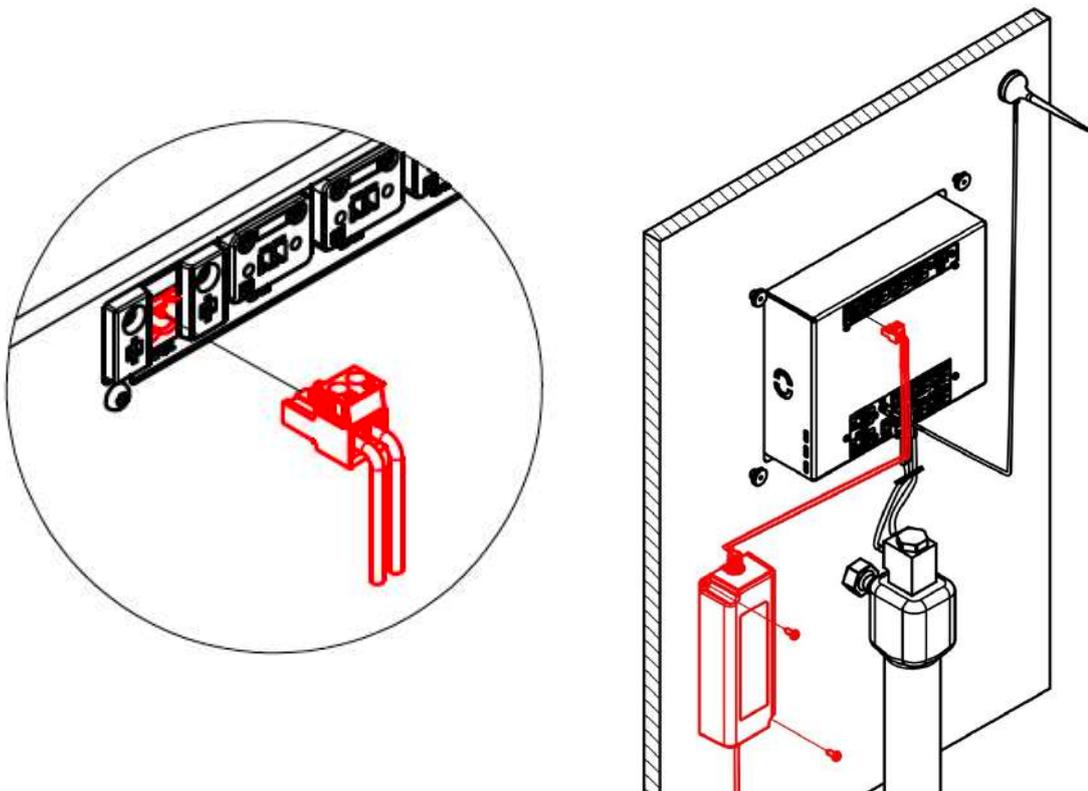
Using a cable tie taped to the wall, hold the cables along the wall.

- g. Attach the 4G antenna to a magnetized surface or double-sided tape in an area with 4G coverage.

- h. Screw the antenna connector to the display unit as shown below.



- i. Connect the power plug to the display unit as shown below.
j. Then fix the power supply unit to the wall using 2 screws.



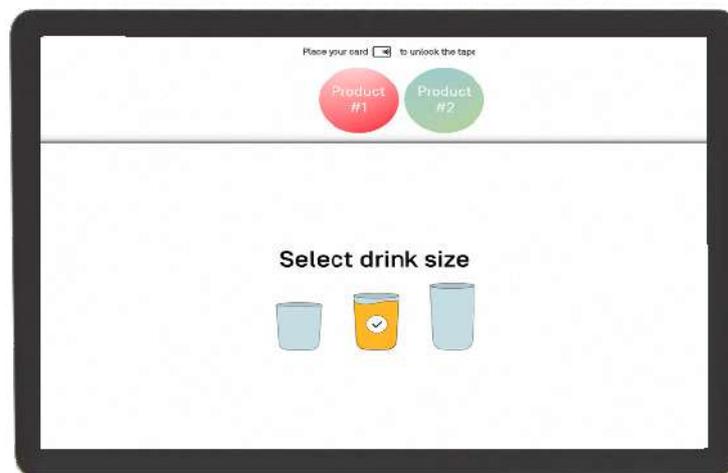
- k. Connect the rest of your hydraulic system to the wall pipes, making sure they are properly insulated.

Place the rest of the elements, such as the drip tray.

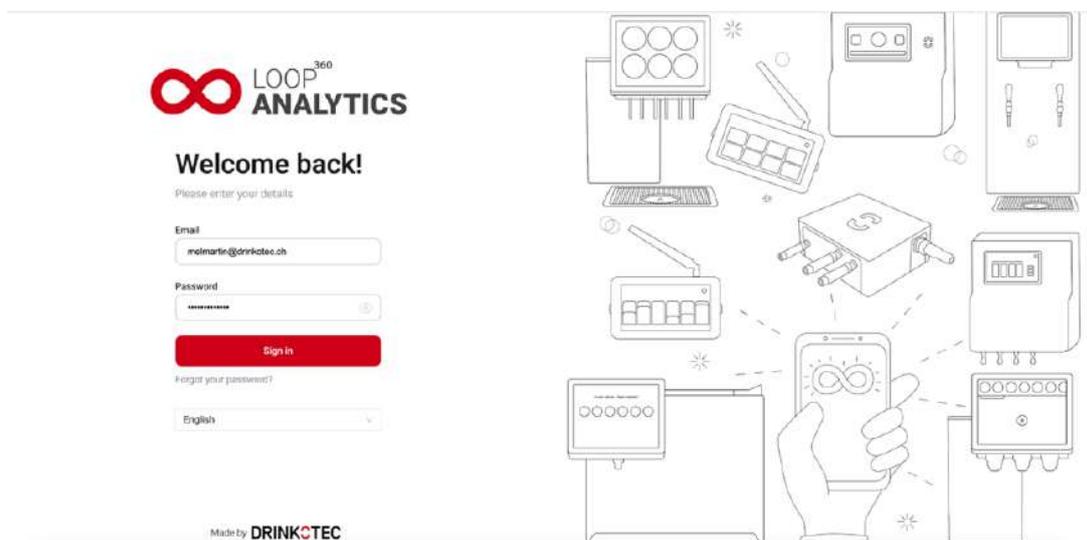
SET UP THE WALL ON LOOP³⁶⁰ ANALYTICS

- a. Plug the unit into the mains power supply, you will see the initializing screen.

Then you will see the main screen.

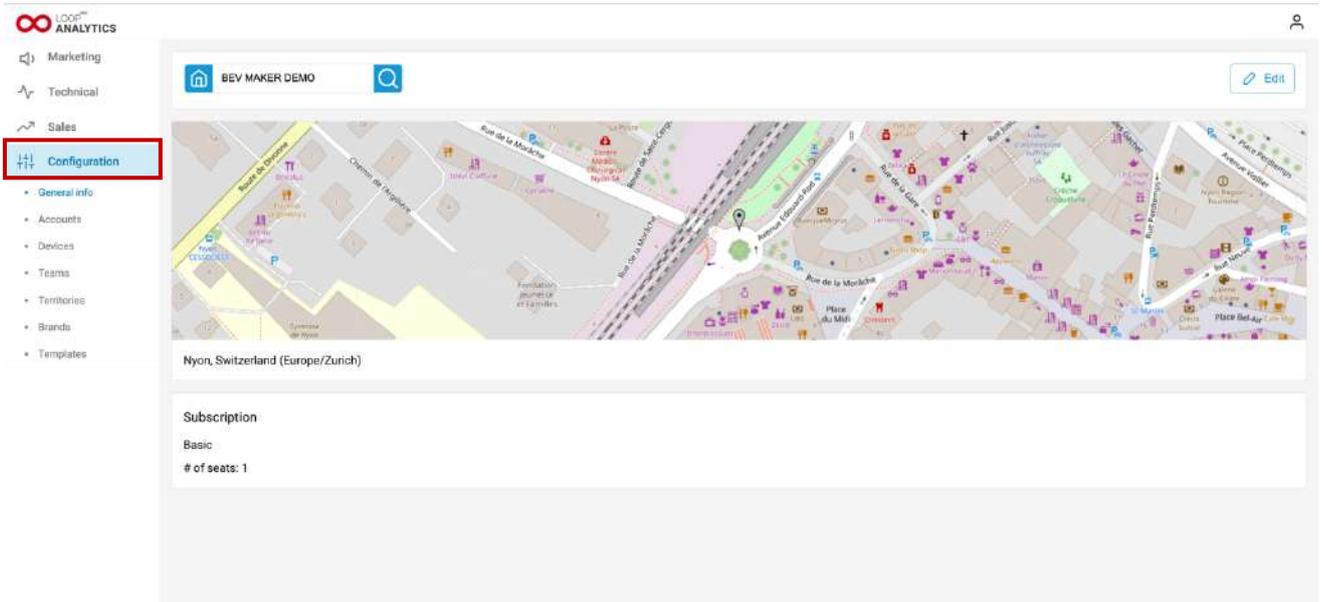


- b. Launch a web browser and enter <https://loop.drinkotec.net/> to access Loop³⁶⁰ Analytics, enter your access information and sign in.

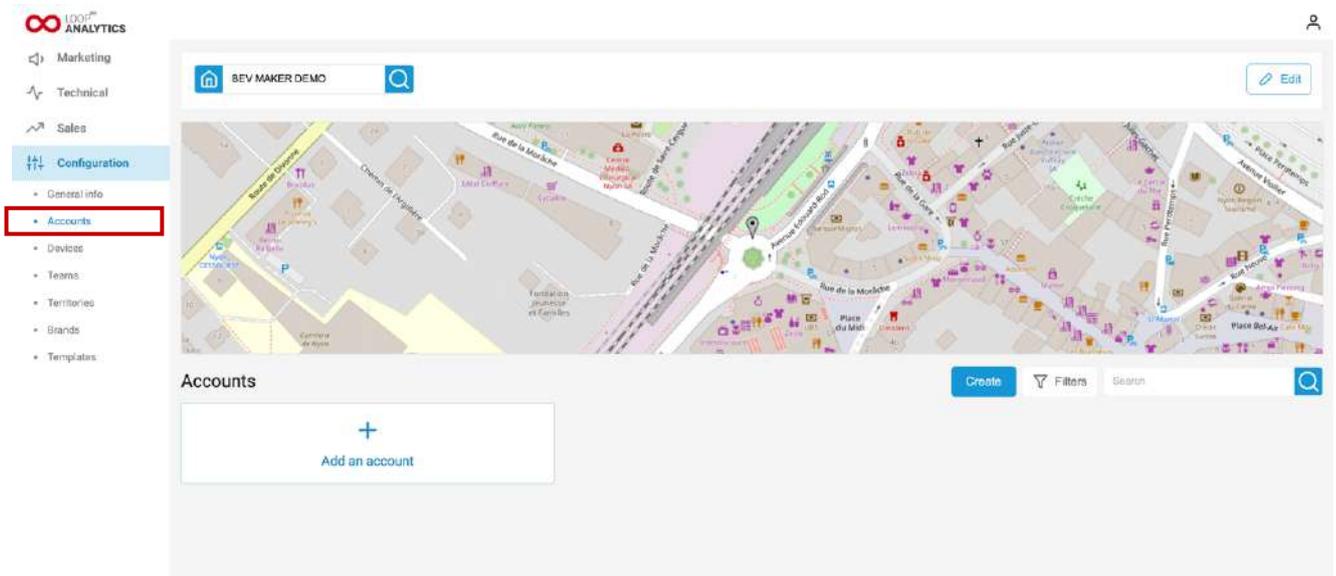


CREATION OF THE HORECA

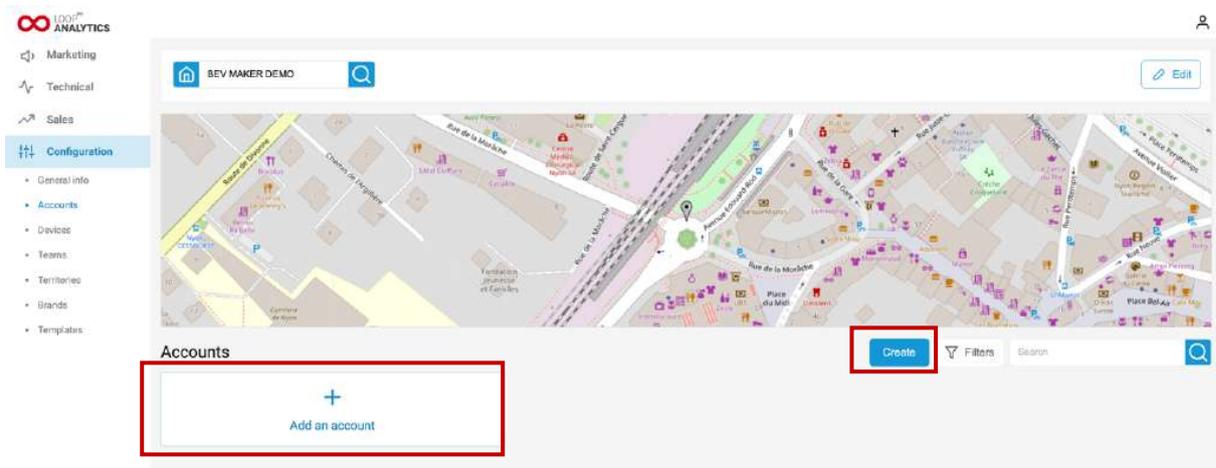
a. Access the “Configuration” menu.



b. Access the “Account” submenu.



c. Click on "Add an account" or "Create" to create the new establishment.



d. Fill in the information requested for each of the five creation steps, clicking on "Next" to move from one to the next. In the last step, click on "Create".

- **Step 1: General info**

- Name
- Address
- Timezone
- Account priority
- SLA

- **Step 2: Settings**

- Currency
- Show volumes in fluid ounce (if necessary)
- Opening hour: A day used for data display depends on the HoReCa opening hour. Instead of the natural day for the selected timezone, we display data starting from the opening hour until the next day opening hour.
- Multi zone: To enable multiple zones in a horeca. Zones are used to group configurations and split data displayed for a HoReca.
- Revenue enabled: For revenue related information being displayed in the HoReCa dashboard.
- Loss calculations enabled: To display loss information in the HoReCa dashboard.
- Sustainability calculations enabled: To display sustainability cards in the HoReCa dashboard.

- **Step 3: Template (optional)**

This is optional but if you want to use an account template, here you can choose one. More details into Loop³⁶⁰ Analytics User Guide.

- **Step 4: Devices (optional)**

Only if an account template is selected, in this stage you assign the Bev maker devices that are not belonging to any HoReCa to the related device templates for the account template you have picked.

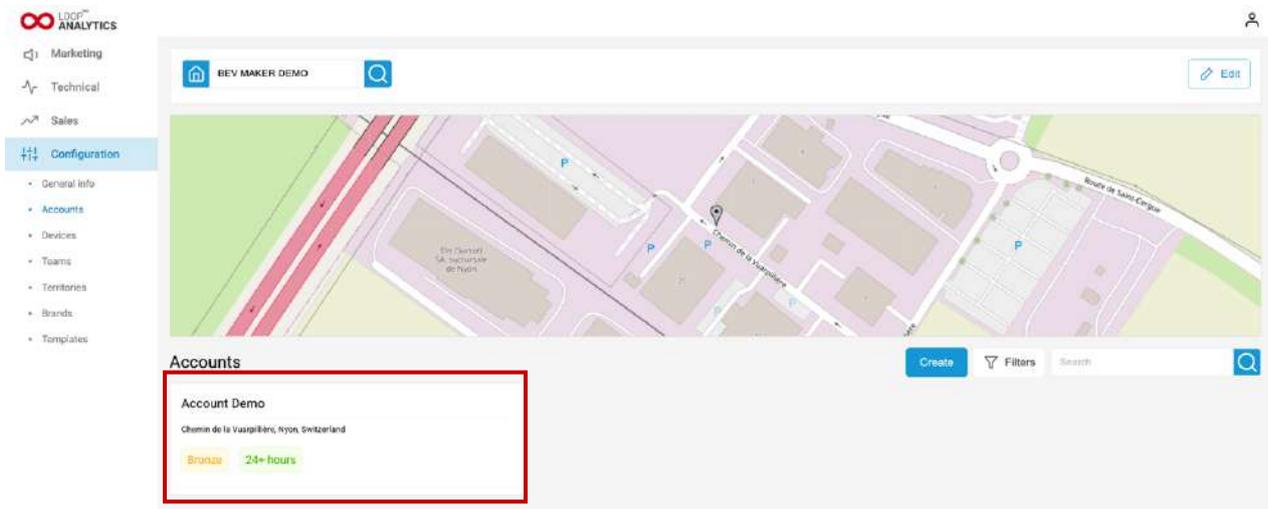
- **Step 5: Products**

List of brands that are provided to the HoReCa by the Bev maker. For each brand we specify:

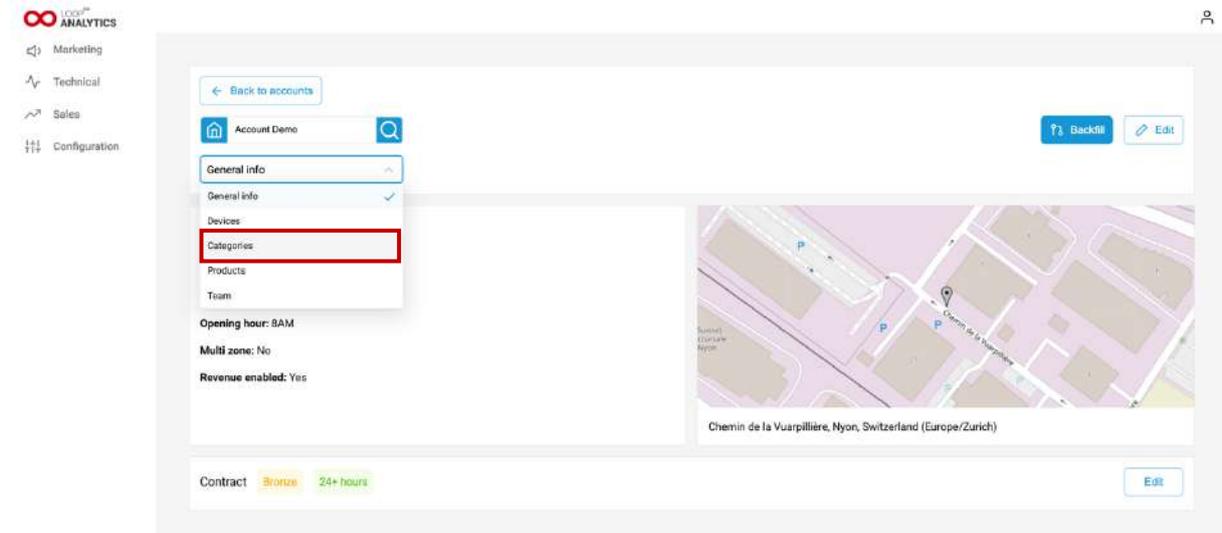
- a. Dispensing target
- b. Profitability target

CREATION OF CATEGORIES

- a. Access the new account you just created by clicking on it.



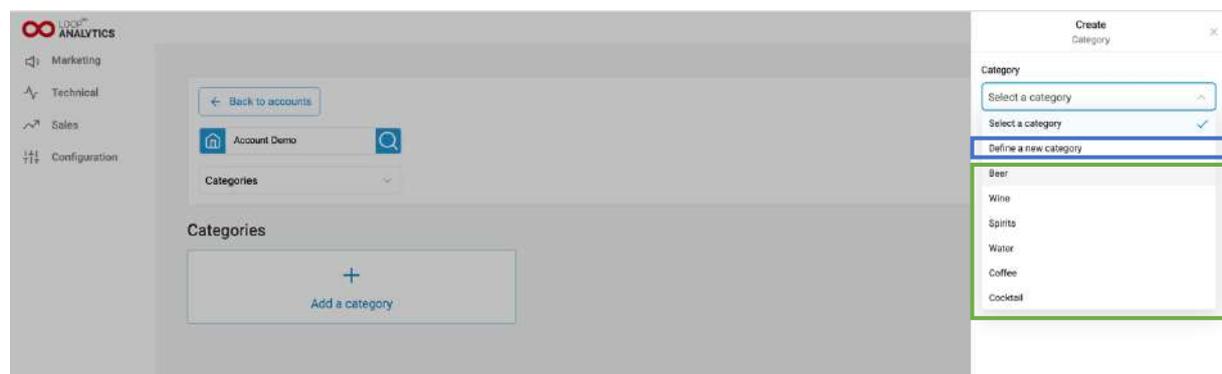
b. Access the “Categories” tab from the drop-down menu in the red box.



c. Click on "Add a category" or “Create” to create a new category.



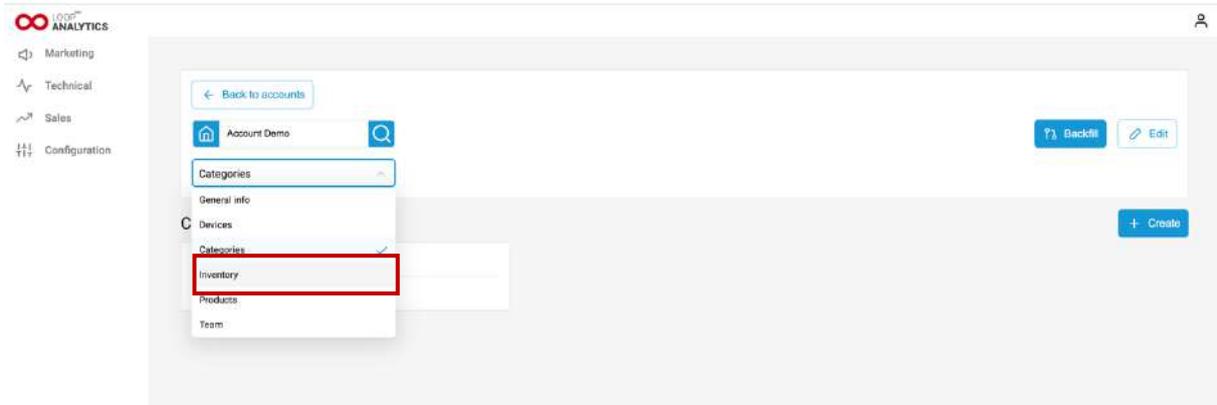
d. Choose your category from the drop-down menu (green box here) or create your own (blue box here).
Click on “Create” to validate.



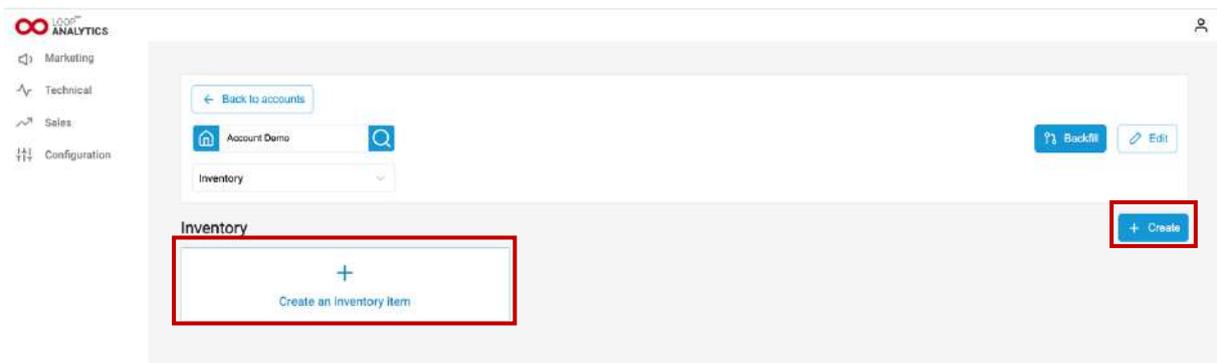
e. If you want to create others categories, repeat the same process.

CREATION OF INVENTORY

a. Access the “Inventory” tab from the drop-down menu in the red box.



b. Click on "Add an inventory item" or “Create” to create a new inventory item.



c. Fill in all the information needed & click on “Create”.

Create
Inventory item

Name

Type

Ratio

1 :

Water mix type

Size (L)

 L

Price (CHF)

 CHF

Quantity

Remaining inventory items in stock, excluding the ones already being used by the devices.

Create

Cancel



- The ratio for premix drinks is 1:0.
- The size corresponds to the size of the container.
For example: 3, 10, 15, 20 liters. Check this size information on the container.
- The price corresponds to the purchase price of the container.
- The quantity corresponds to the number of container you have physically in stock.

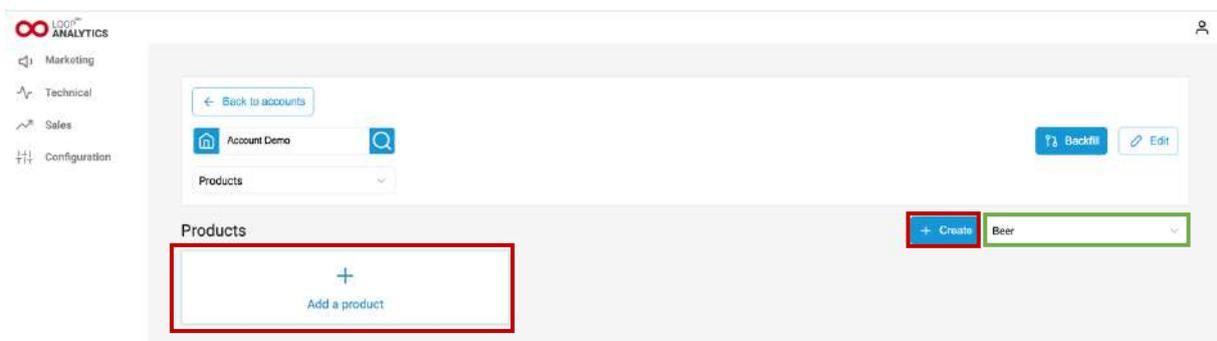
e. Create the other inventory items if needed.

PRODUCTS

a. Access the “Product” tab from the drop-down menu in the red box.



b. Choose the category of product you want to create from the drop-down menu (green box here) and click on "Add a product" or "Create" to create a new Product.



c. Fill up all the information on each step.

Create Product

General info

Name

Product 1

Next

Cancel

Step 1: Name the product

Create Product

Product 1

Portions

PLU

100

Volume (ml)

200 ml

Price (CHF)

5 CHF

Add

Next

Back

Step 2: Create portions



If you just have one single portion, choose the size of your standard glass. You can create up to 3 portions.

If your unit is setup for RFID dispensing, create a single portion size (e.g. 81L for example). The price charged in real-time during dispensing will be proportional to the price set to the default portion size.



PLU has to be different for each product. If you don't have PLU system, you can start with 100 and so on. For example:

Product 1 with 3 portions: PLU 100, PLU 110, PLU 130

Product 2 with 3 portions: PLU 200, PLU 210, PLU 230

Create Product

Product 1

Recipe

Step #1

Item

Product Keg 1

Still water

Fizzy water

Product Keg 1

Add item

Add step

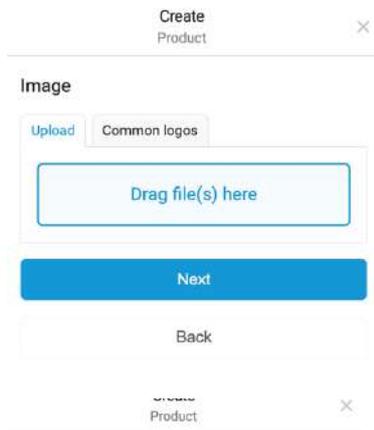
Next

Back

Step 3 : Create the recipe



Select from the droplist the previously created inventory item associated to the product.



Step 4 : Add the logo

You can upload a new logo or choose an available logo from our “Common logos” library.

Image has to be 250x250 pixels size. We recommend using a circular logo for design purposes.

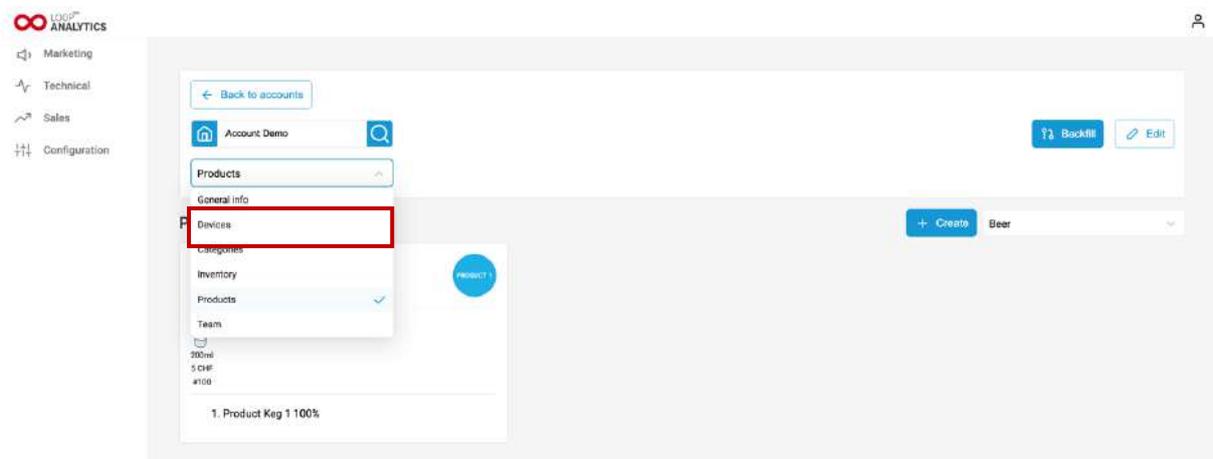


Step 5 : Finalize the creation by clicking on “Create”

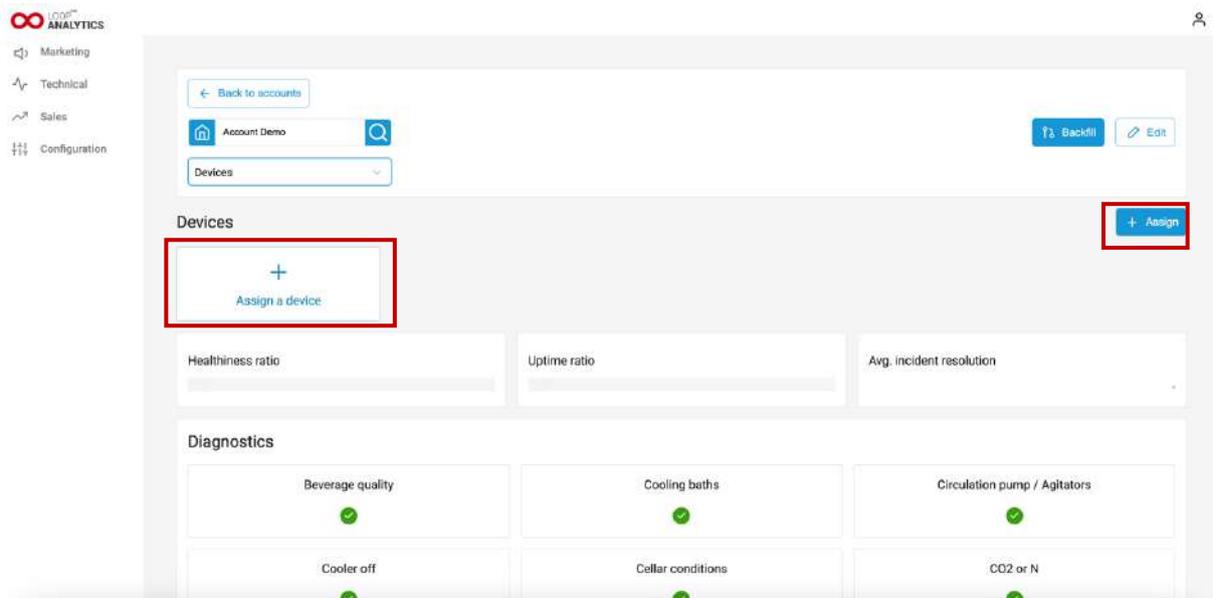
d. Repeat for all products and recipes you wish to dispense.

ASSIGNATION OF THE DEVICE

a. Access the “Device” tab from the drop-down menu in the red box.



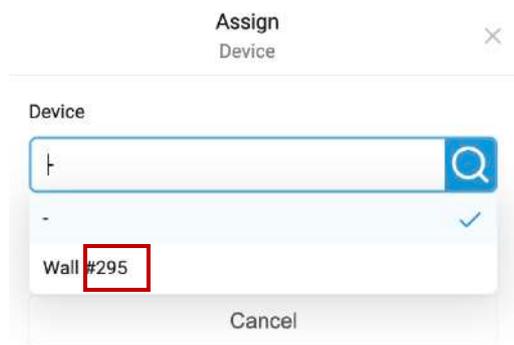
b. Click on "Assign a device" or "Assign" to assign your device you have just installed.



c. Select the device from the drop-down list.

The nomenclature for each device is as follows: "Device type #XXX".

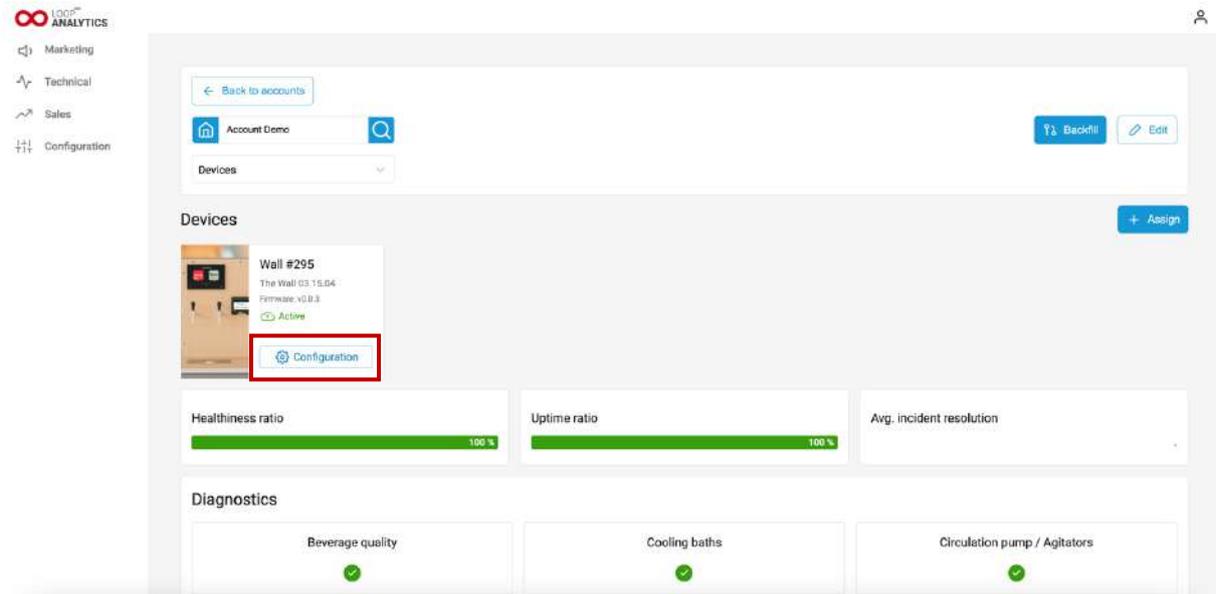
"#XXX" corresponds to the unique ID of your device. This id is visible in the main menu of your device's screen settings, as well as on the document you received with your device.



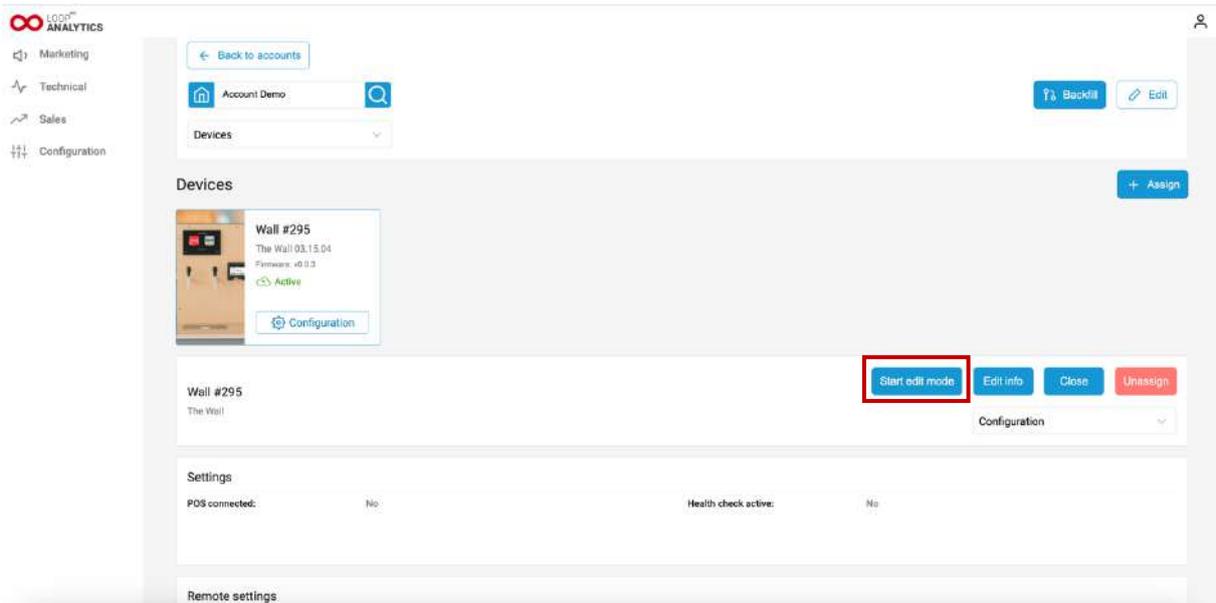
 This drop-down list contains all the devices that belong to you but have not yet been assigned.

SET UP THE DEVICE

a. Access device settings by clicking on “Configuration”.



b. Update device by clicking on “Start edit mode”.



c. Make the update needed as described below.

Remote settings

Update the settings shown in the following image.



Pin: Pin code to access settings menu from the screen of the device.

Dispensing authorization: Self-service, credit card or RFID card, depending on your configuration once you've finished commissioning the device.

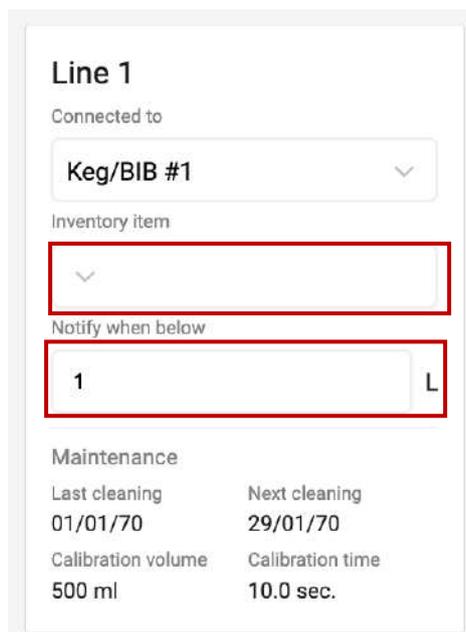
In RFID configuration, service and debit from the RFID badge is done by the milliliter, based on the price-per-liter set when creating the default portion of a product.

In configurations without an authorization module (self-service) or with credit/debit card payment terminal, the servicing will be based on the portion sizes and prices configured.

Hydraulic lines configuration

This refers to valves and kegs. This is where you decide which keg the valve is connected to, and the inventory item used in that keg.

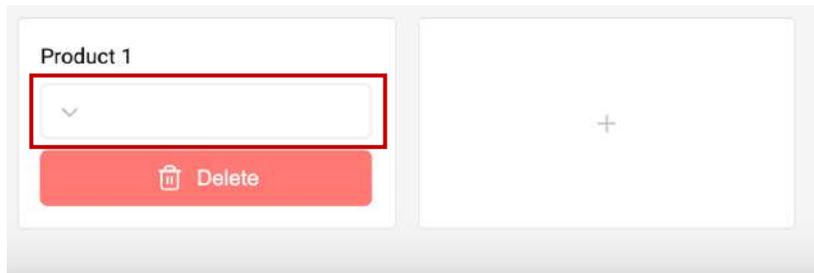
Update the lines with the previously created inventory item by choosing from the drop-down list. If necessary, you can update the volume alert notification.



Product configuration

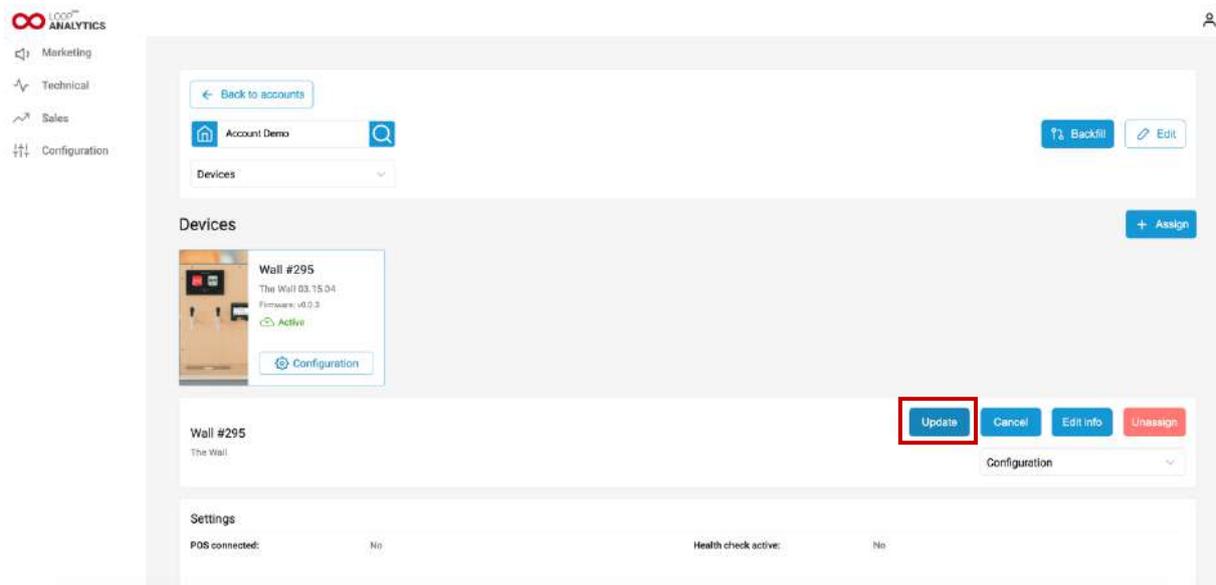
Products to be dispensed assigned to device.

Update each product you want to dispense by choosing into the drop-down list created from "Product" tab. You can add drinks by clicking on "+".



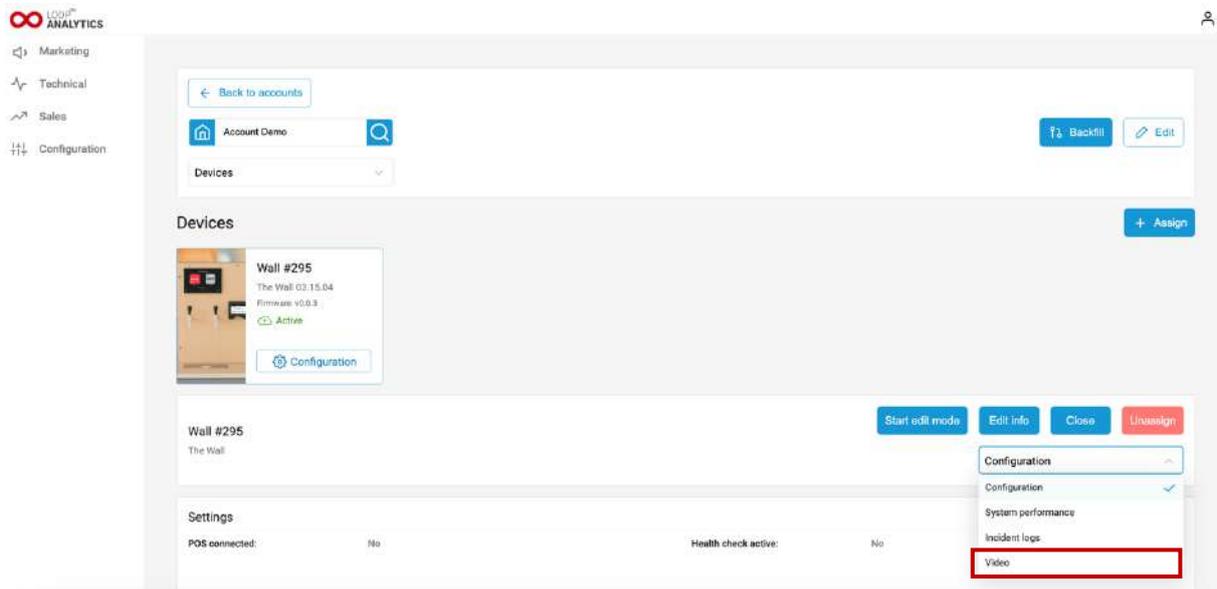
The order of the products will be the same on the screen.

Save the changes by clicking on "Update".

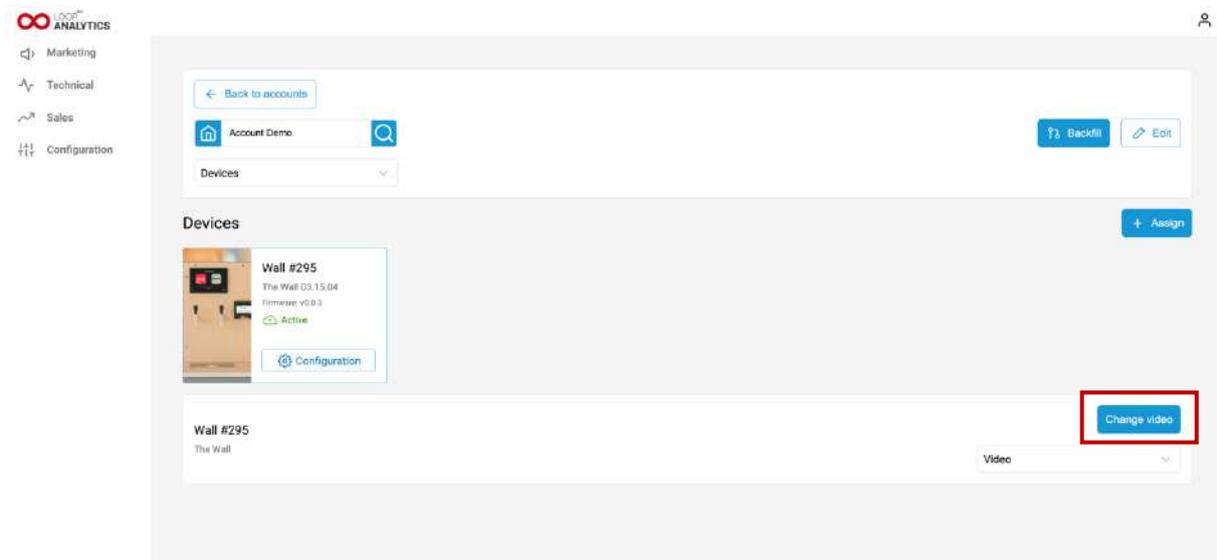


Video update

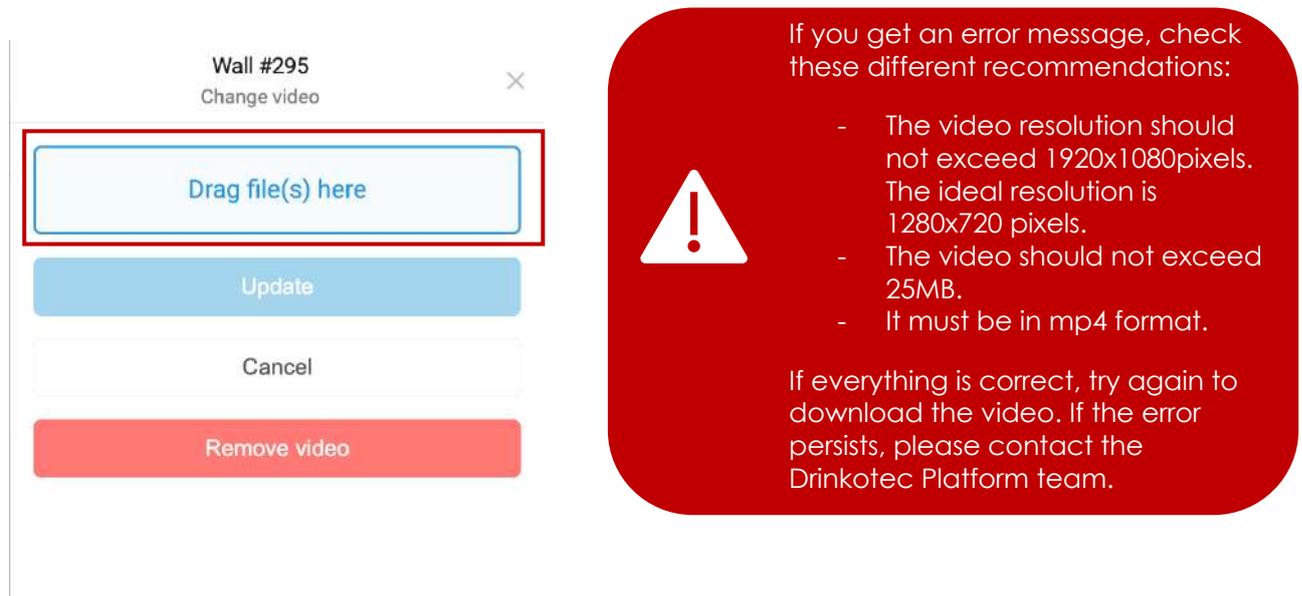
a. Select the "Video" menu from the drop-down list in the red box.



b. Click on "Change video".



c. Add your video by dragging the file or select it from your computer by clicking on “Drag file(s) here”.



Wall #295
Change video

Drag file(s) here

Update

Cancel

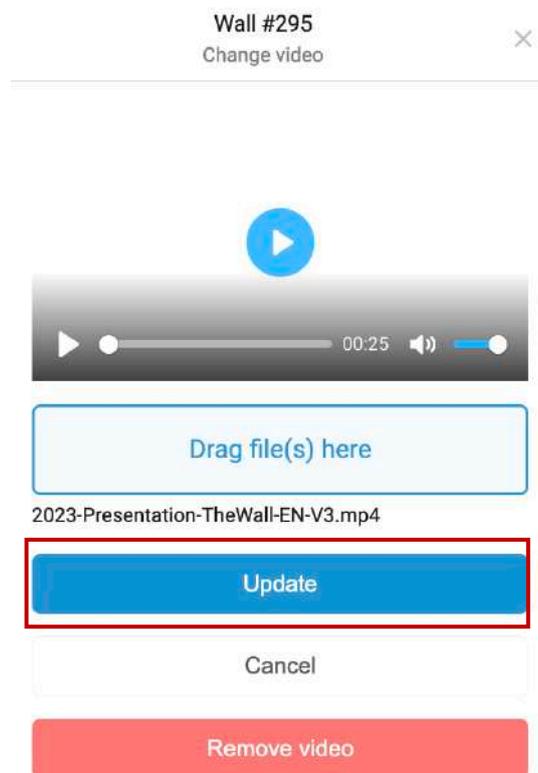
Remove video

If you get an error message, check these different recommendations:

- The video resolution should not exceed 1920x1080pixels. The ideal resolution is 1280x720 pixels.
- The video should not exceed 25MB.
- It must be in mp4 format.

If everything is correct, try again to download the video. If the error persists, please contact the Drinkotec Platform team.

d. Once the video is uploaded, click on “Update”.



Wall #295
Change video

2023-Presentation-TheWall-EN-V3.mp4

Update

Cancel

Remove video

e. The new video will be visible in less than few minutes on the screen.

FIRST COMMISSIONING

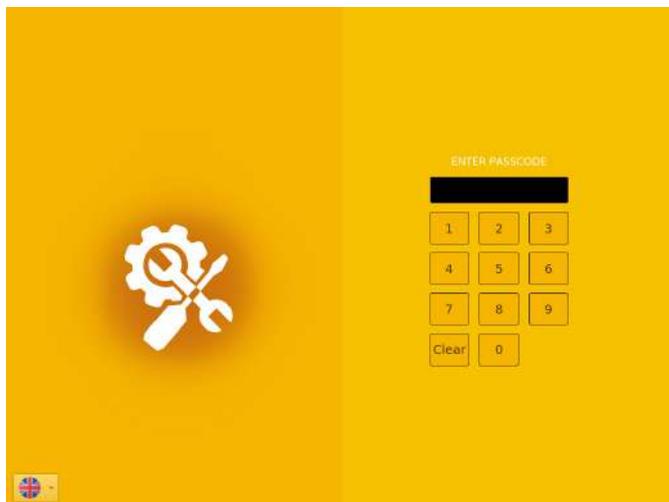
ACCESS TO SETTING MENU

- Access the setting mode by swiping to the left starting from the right of the screen.



It is important to start swiping at the beginning of the screen and not on the black side or in the middle of the screen.

- Enter the default password "0000".



The default password is 0000. It can be changed on Loop³⁶⁰ Analytics.

HYDRAULIC ACTIVATION

- a. Access the setting menu. Please refer to **“Installation & Commissioning of the unit - First Commissioning - Access to Setting menu” p.32.**
- b. Access the “Cleaning” menu (red box here).



- c. For each product, press the logo once until you see it flow. Press again to end purging and re-lock it.



CALIBRATION



Calibration is required for all service modes. The absence of calibration, or incorrect calibration, in non-portioned mode (RFID debit), will have a negative impact on the accuracy of the amount debited from consumers' cards for an actual volume dispensed. Similarly, in portioned mode (debit/credit card), this will result in an inaccuracy of the actual volume dispensed for a paid portion size.

a. Access the setting menu. Please refer to **“Installation & Commissioning of the unit - First Commissioning - Access to Setting menu” p.32.**

b. Access the “Calibration” menu. To start, you will need a 500 ml graduated container.



c. Press the product 1 logo once to unlock the valve and start the calibration process. Pour exactly 500mL, then press the logo again to close the valve and save the calibration





In case of mistakes, this operation can be repeated as many times as needed.

- d. Repeat the same process for the other products and waters.
- e. Once all products are calibrated, you can click on “Save & Exit”.



RFID VERSION

VALIDATE PAYMENT METHOD

- Access the setting menu. Please refer to **“Installation & Commissioning of the unit - First Commissioning - Access to Setting menu” p.32.**
- Access the “Payment” menu.



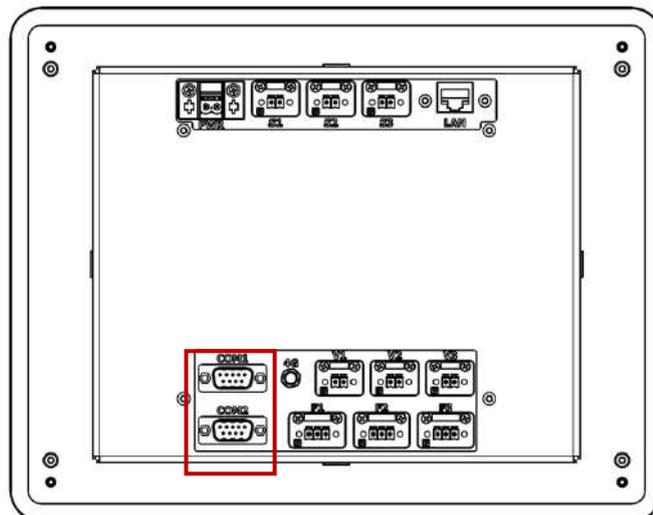
- Click on “Prepaid Card (RFID)”.



d. Check that the symbol on the screen confirms that the RFID reader is correctly connected.

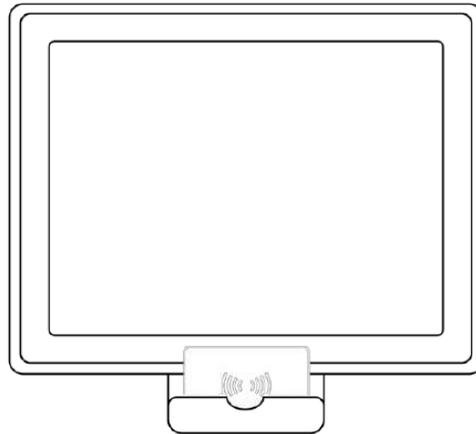


e. If it is not the case, check the connection of the DB-9 cable in one of the two slots at the rear of the display unit, and the general condition of the cable.

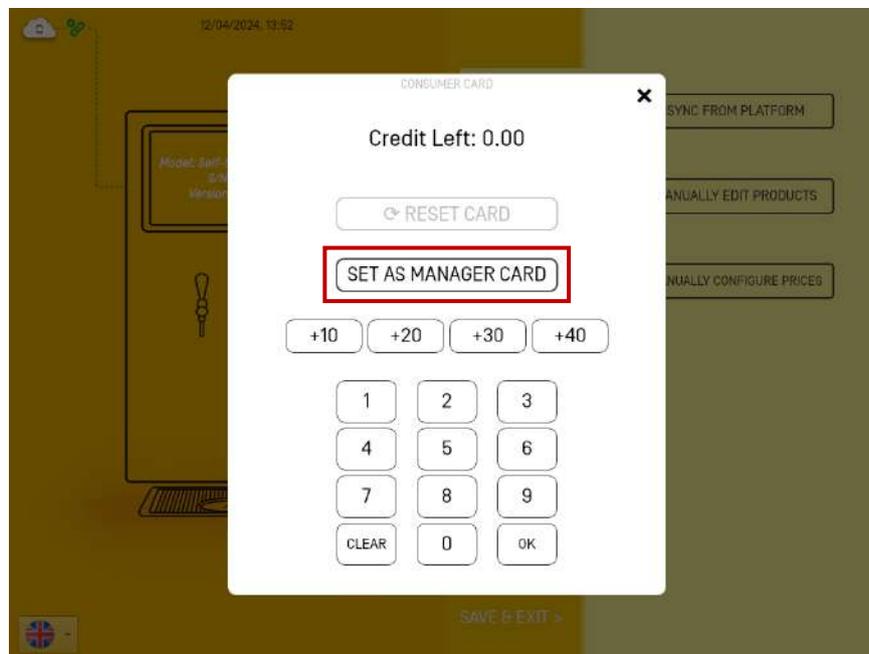


CREATE MANAGER CARDS

- Access the setting menu. Please refer to **“Installation & Commissioning of the unit - First Commissioning - Access to Setting menu” p.32.**
- Place an RFID card in the reader.



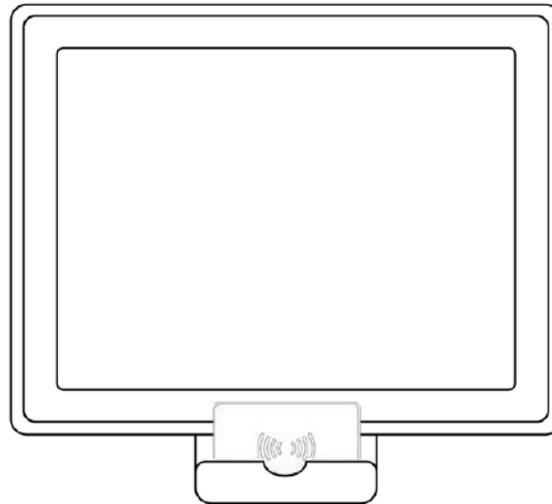
- Click on “Set as manager card”.



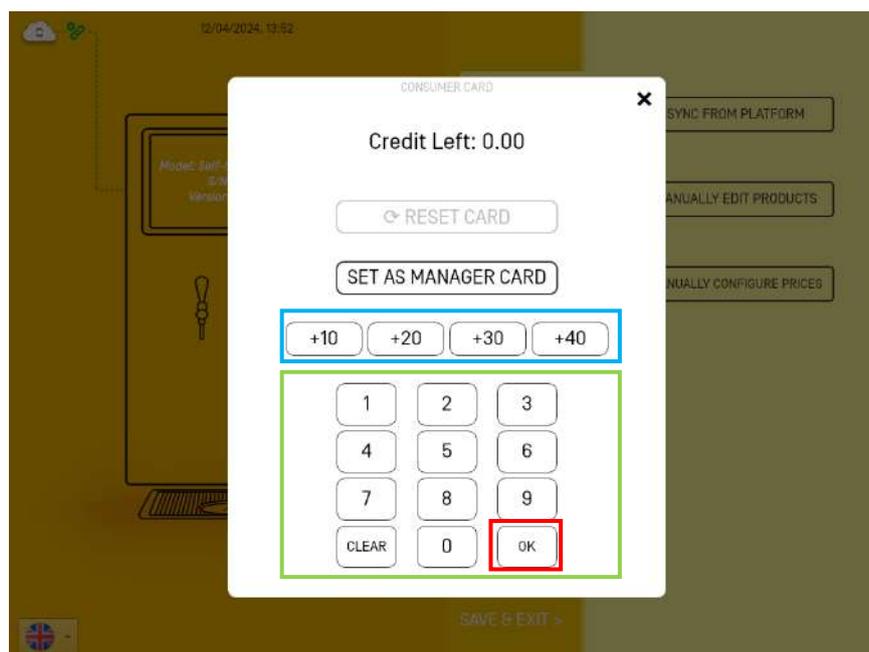
CREATE CUSTOMER CARDS WITH CREDIT

By accessing settings menu

- a. Access the setting menu. Please refer to **“Installation & Commissioning of the unit - First Commissioning - Access to Setting menu” p.32.**
- b. Place an RFID card in the reader.

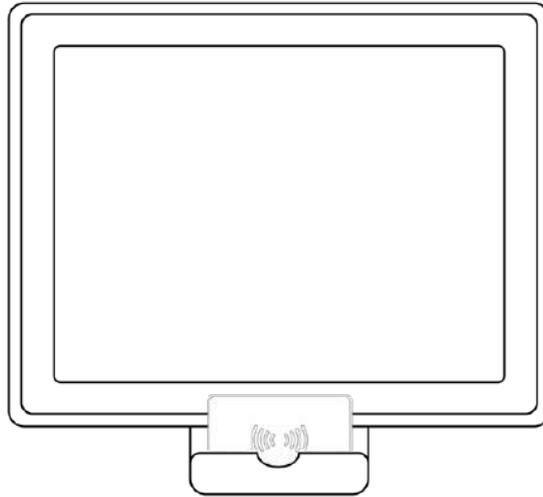


- c. Choose a default credit amount (blue box here) or enter a personalize credit amount (green box here).
- d. Click on “OK” (red box here).

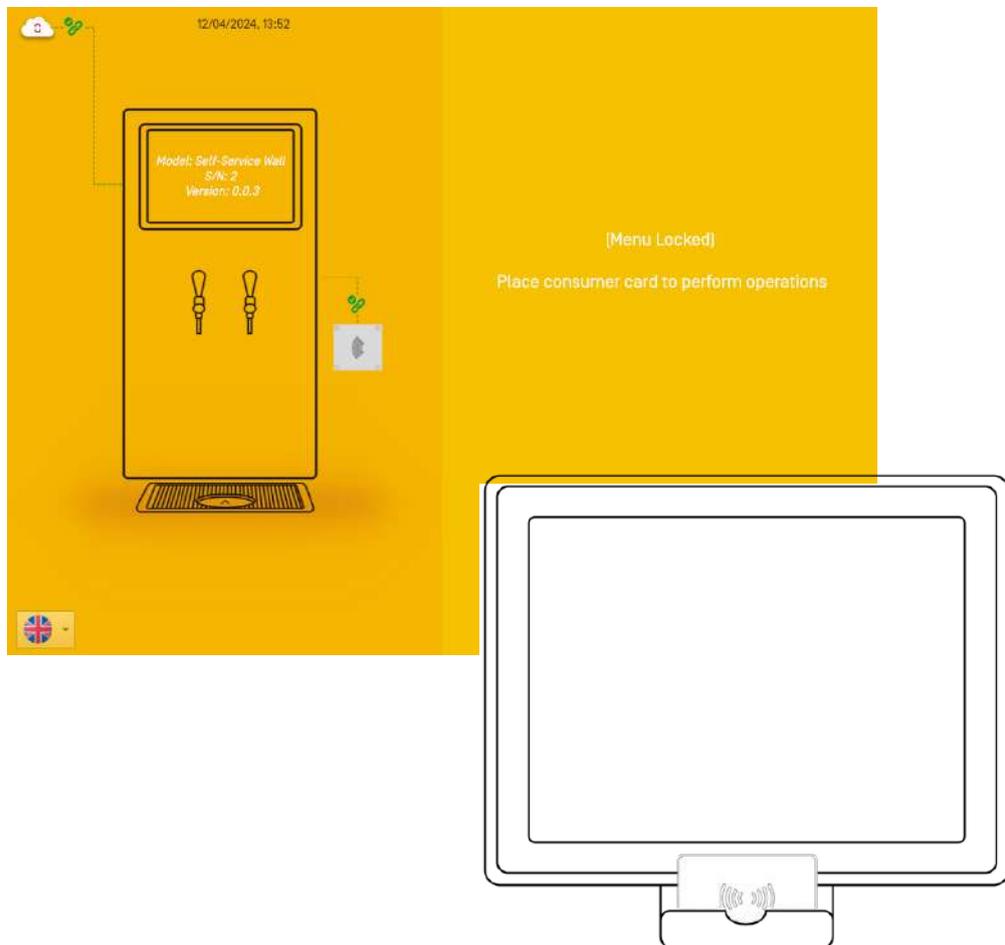


With the manager card

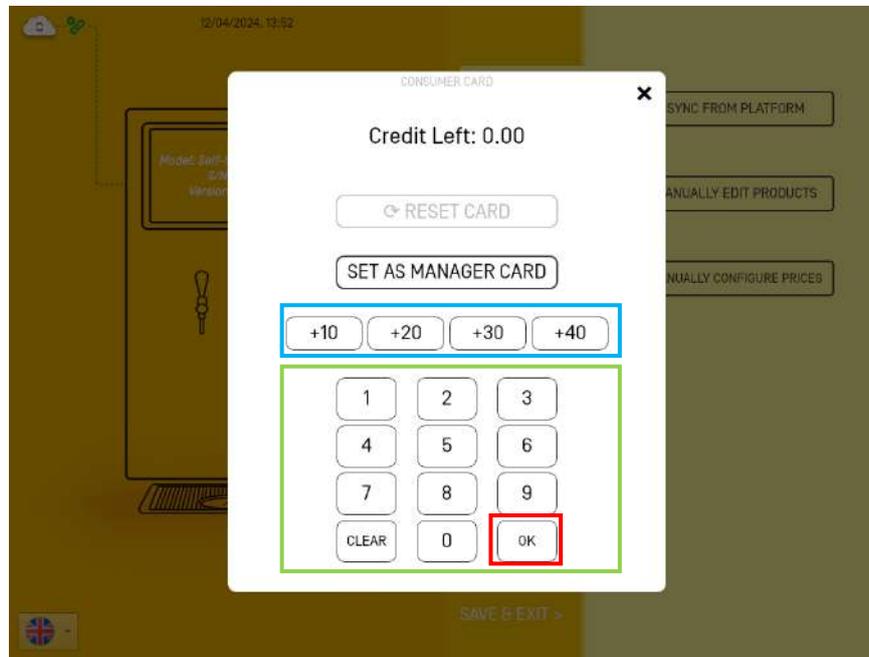
- Place a manager card into the reader.



- Once you've accessed this menu, replace the manager card with a customer card in the reader.



- c. Choose a default credit amount (blue box here) or enter a personalized credit amount (green box here).
- d. Click on “OK” (red box here).



FINAL CHECK

The installation is now complete.

Test the dispensing of each drink, one at a time, to make sure everything's operating properly.

MAINTENANCE AND CLEANING

LINES CLEANING

a. Access the setting menu. Please refer to **“Installation & Commissioning of the unit - First Commissioning - Access to Setting menu” p.32.**

b. Make sure to connect your sanitizer to the lines.

c. To enable the sanitizer to flow, press once to unlock the valve. If your unit is equipped with manual taps, maintain them physically opened during this step. Continue this process as long as required by your sanitizer instructions.



d. Replace your sanitizing solution with clear water on the line. Rinse by repeating the operation: press the logo product until the line is completely rinsed.

e. Reconnect your product.

f. Repeat the above steps for all product lines.