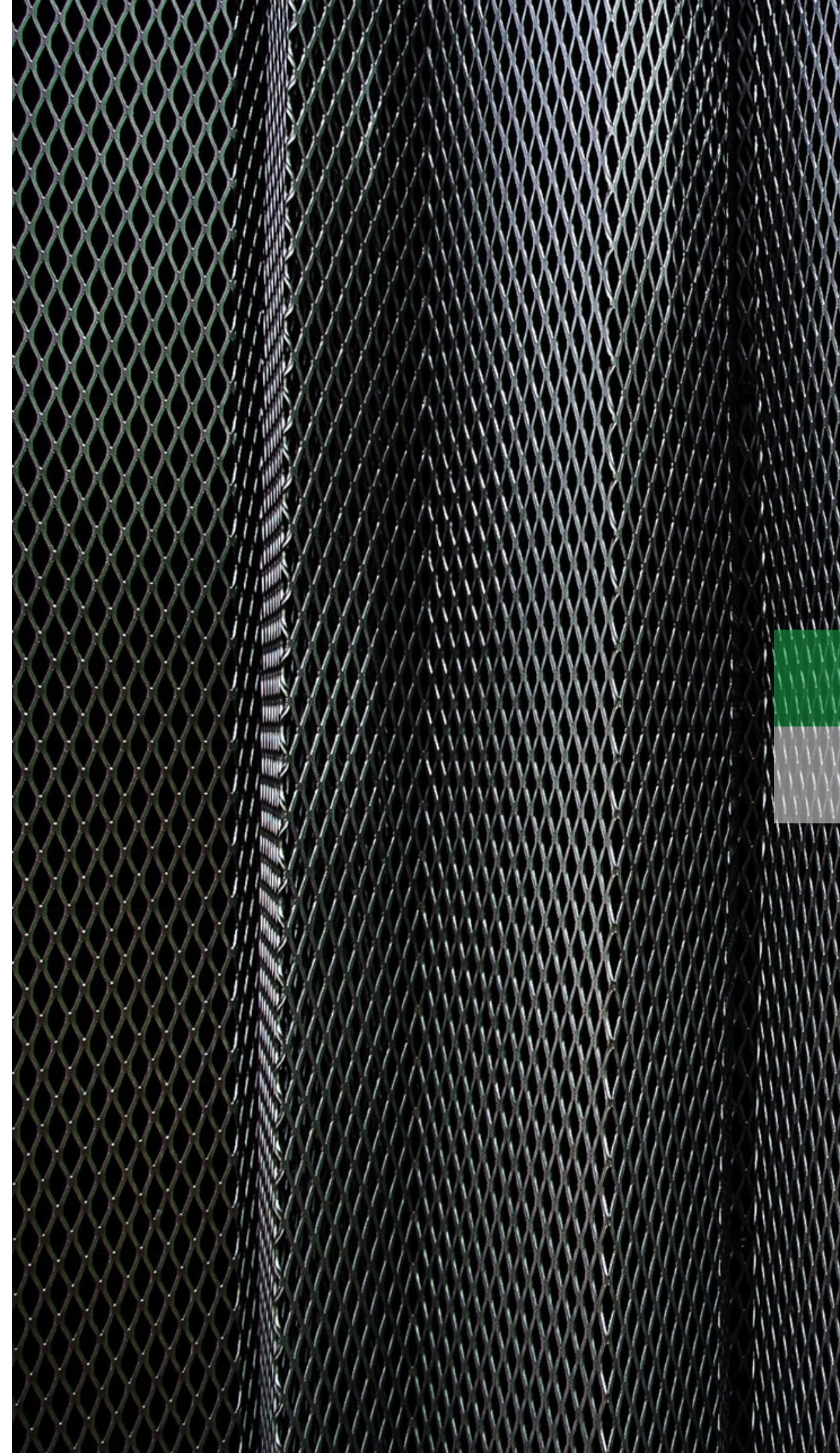




# **CENTRALISED LABEL MANAGEMENT**

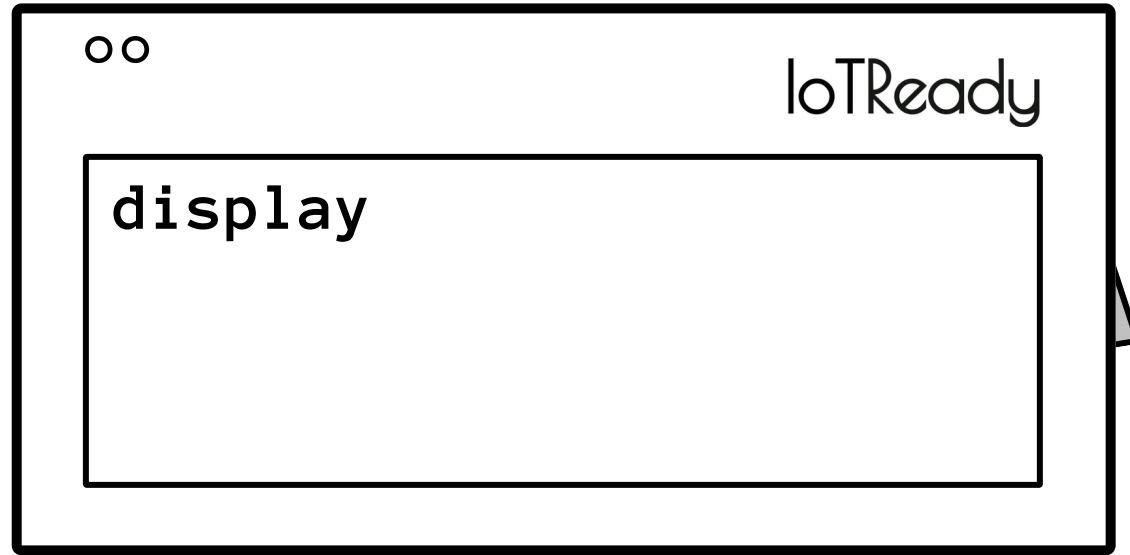
---

*User Manual*

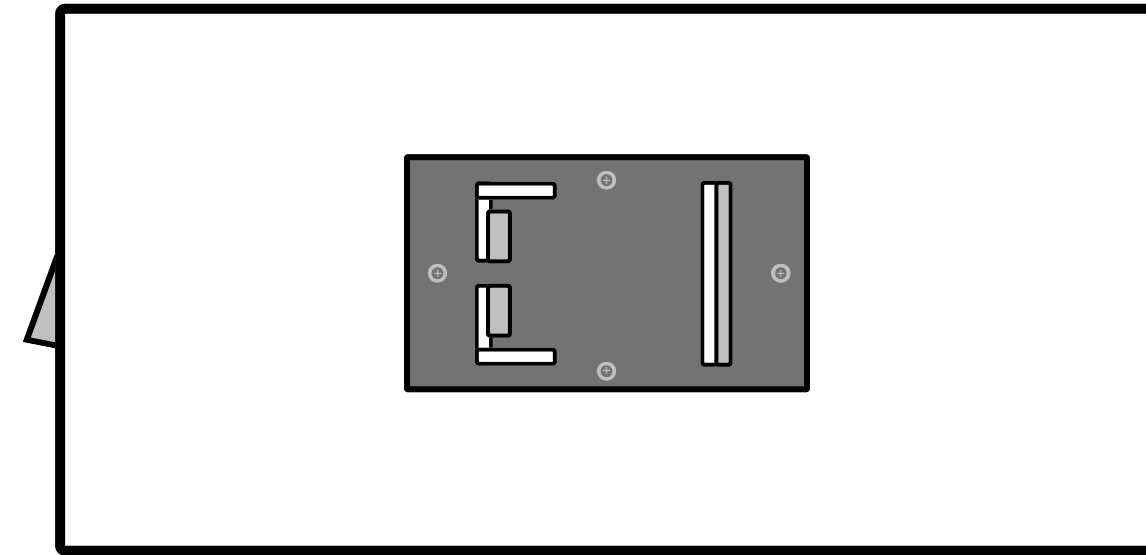




# *IoTReady's* **Weighing Scale Data Logger**



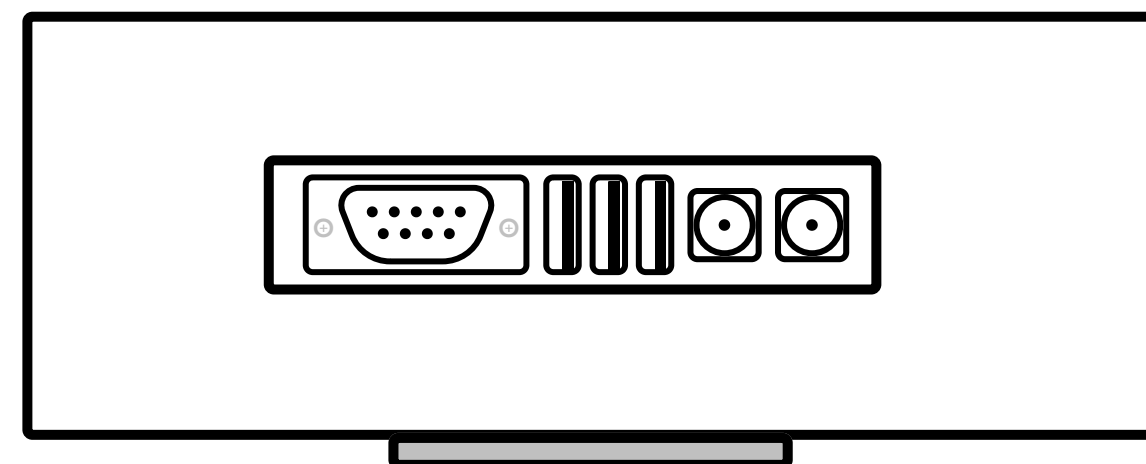
**Front**



**Back**



**Top**

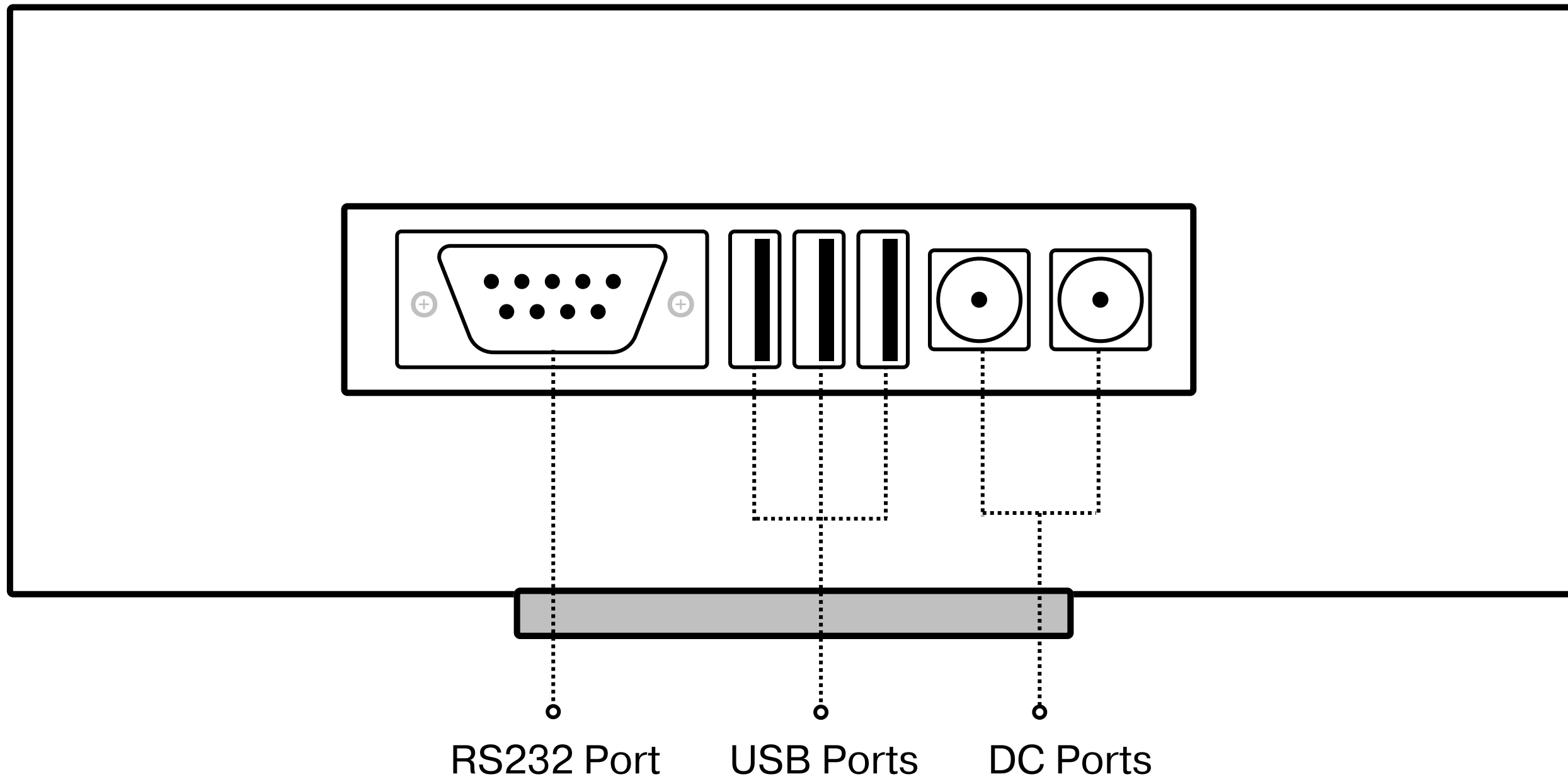


**Bottom**



*IoTReady's*

# Weighing Scale Data Logger - Ports





The following document explores the processes of unboxing, assembly and usage of the ***Centralized Label Management Solution***.

The unboxing and assembly is to be undertaken in 3 steps. They are as follows

- Unboxing
- Assembly
- Powering Up

The manual also involves the instructions about how to shutdown the system, update the PLU list, update the firmware and configure the Wi-Fi.

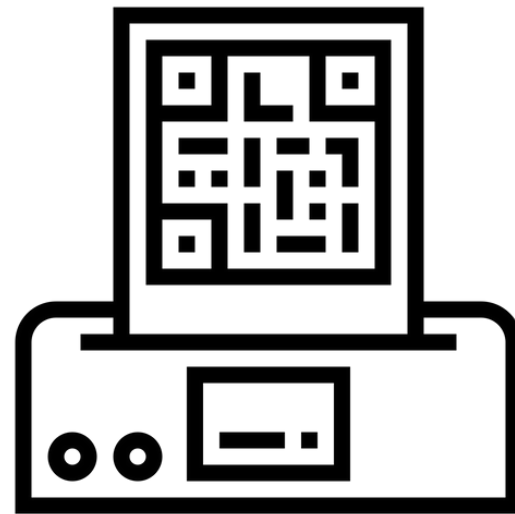
***Disclaimer:*** Please power on the device only after all the connections are made.

# UNBOXING

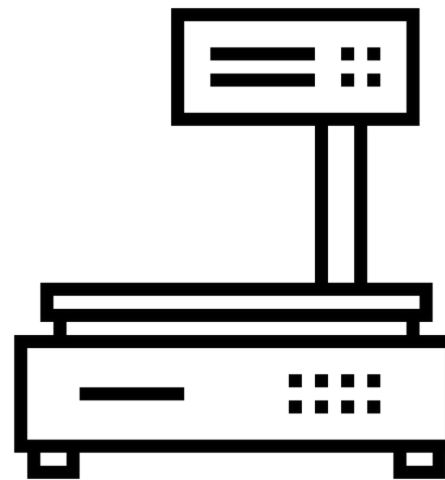
---

## Instructions

1. Carefully cut open the tape that covers the package.
2. Open the box and remove the foam packaging that covers it.
3. Carefully remove all the contents from the box.
4. Ensure that the following items are already present with you



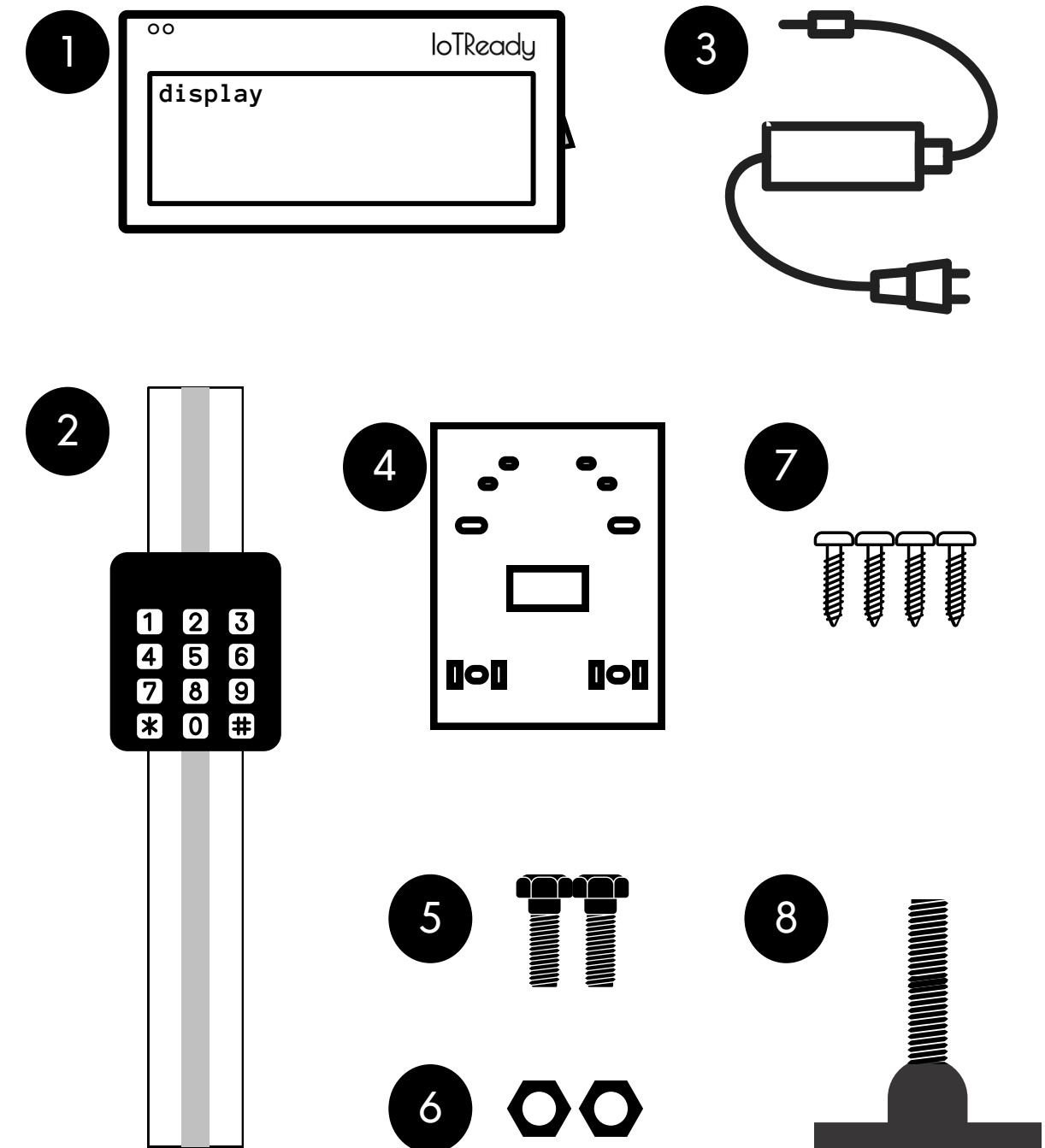
Label Printer



Weighing Scale

The package should include the following contents

Sl. No	Contents	Quantity
1	Weighing Scale Data Logger (WSDL) - USB Variant	1
2	Stand - Attached with Keypad and cables	1
3	12V DC Power Adapter	1
4	Base plate for stand	1
5	Allen head button-type bolt - M8 x 25mm	2
6	M8 Nut	2
7	Allen head button-type Screws - M4 x 25mm	4 (for Clonet scale) 2 (for DS 252 scale)
8	Foot/Leg for support - Screw type	1





# ASSEMBLY

---

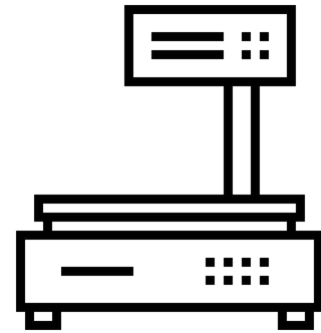
The assembly of the ***Centralized Label Management*** solution contains 4 main steps. These steps are explored in the section that follows



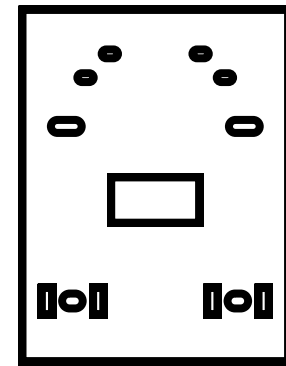
## Step 1

# Attaching Base plate to Weighing Scale

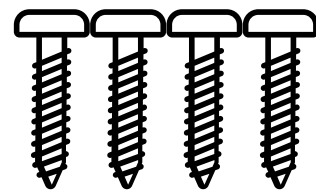
### Items Required



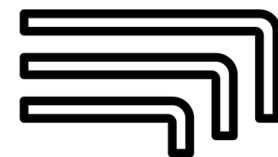
Weighing Scale



Base Plate



M4x25 Allen  
Screws



Allen Key  
M4

### Instructions

1. Turn the scale upside down.
2. Place the base plate on the back of the weighing scale such that the screw holes are aligned with the screw holes/provisions on the scale.
3. Insert the M4 Allen head screws and fasten the same using M4 Allen key
4. Once all the screws are fastened, turn the scale upright.

**Disclaimer:** Make sure that there are no obstructions between the plate and scale before tightening it.

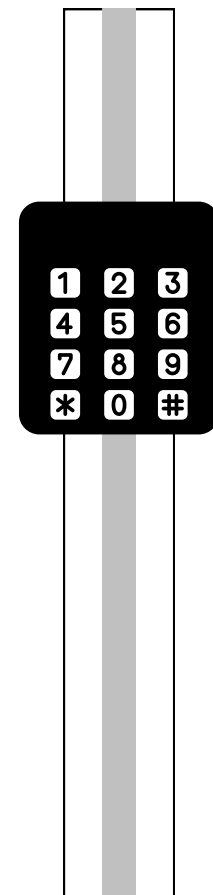


## Step 2

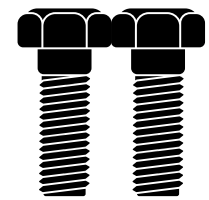
# Attaching the Stand to the Base plate

### **Items Required**

In addition to the assembly from the Step 1



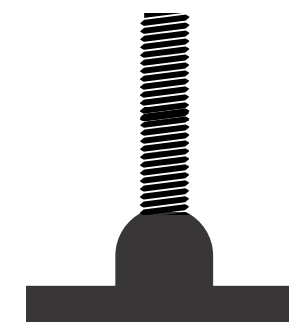
Stand with keypad attached



M8x25  
Allen bolts



M8 Nuts



Foot

### **Instructions**

1. Place the Weighing scale with the base plate at the edge of the table such that the base plate hangs out, to make the assembly easier.
2. Place the stand on the base plate such that the screw holes align. Insert the Allen head button type screws into the holes and fasten the bolts using a suitable spanner.
3. Once fastened, insert the foot and screw it such that the entire assembly is supported at the surface level on a plane.
4. Once all the items are fastened together, turn the scale around such that the front of the weighing scale faces you.

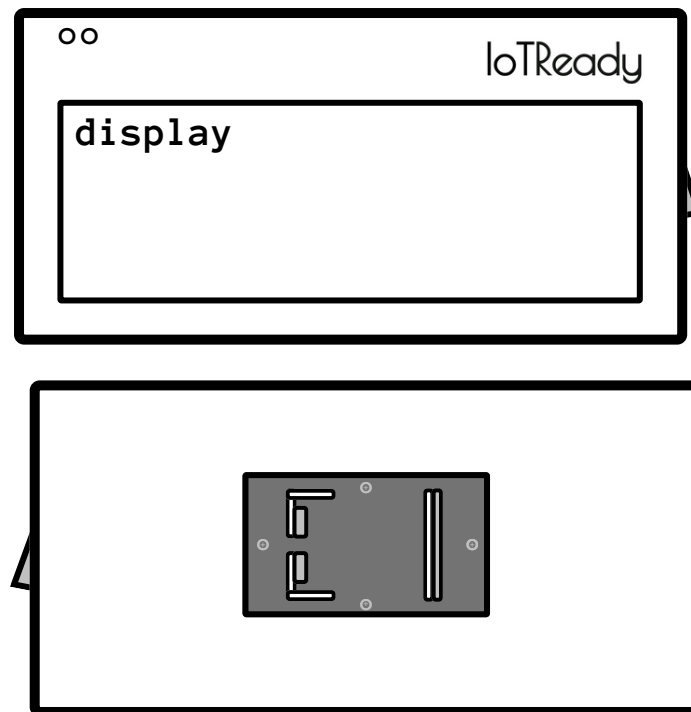
**Disclaimer:** Make sure that the keypad faces towards the front of the weighing scale

### Step 3

## Attaching the Weighing Scale Data Logger to the stand

### **Items Required**

In addition to the assembly from the Step 2



Weighing Scale Data Logger

### **Instructions**

1. Take note that the side with the Device ID and the Barcode is Up, and the provision for the ports is Down.
2. Keep the assembly done in step 3 such that the front of the weighing scale as well as the keypad faces you.
3. Take the Weighing Scale Data Logger, and make sure that you are holding the equipment upright.
4. Attach the Weighing Scale Data Logger using the spring mount to the din rail by snapping it on.
5. Insert DC cable and the USB cable from the stand to the DC port and the USB port on the Data Logger.

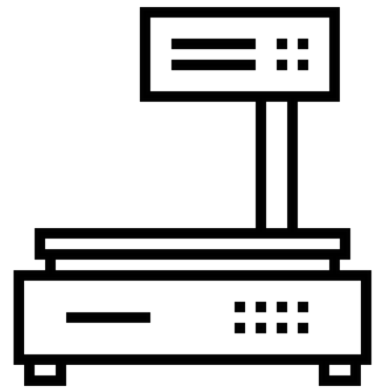
**Tip:** The Weighing Scale Data Logger seamlessly moves up and down the length of the supporting rail.

## Step 4

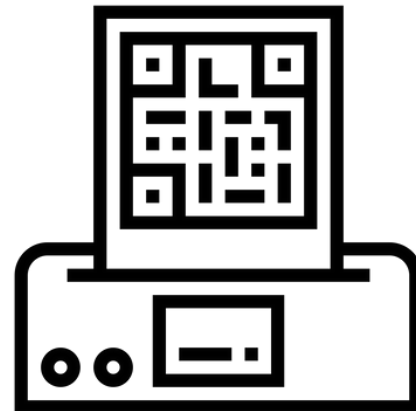
# Connecting the Weighing scale and the Printer

### ***Items Required***

In addition to the assembly from the Step 3



Weighing Scale



Label Printer

### ***Instructions***

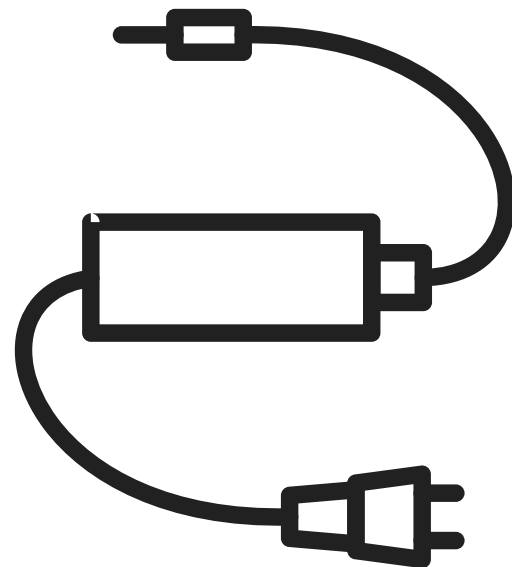
1. Connect the Weighing Scale Data Logger to the printer using the USB cable, and DC to DC cable for power.
2. Connect the Weighing Scale Data Logger to the Weighing scale using the RS232 and fasten the screws.

## Step 5

# Connecting the power supply

### ***Items Required***

In addition to the assembly from the Step 4



12V DC Adapter and Cable

### ***Instructions***

There are two options to power the device:

#### **Option 1**

Power the printer and the WSDL separately with their respective adapters. In this case one DC port on the WSDL will remain unused. This needs two power plug points

#### **Option 2**

Power the WSDL with the power adapter of the printer, and then use the DC-DC cable to power the printer from WSDL. The advantage of this is, it only needs one power plug point.



# OPERATIONS

---

The primary operations of the ***Centralized Label Management*** Solution are explored in the section that follows.

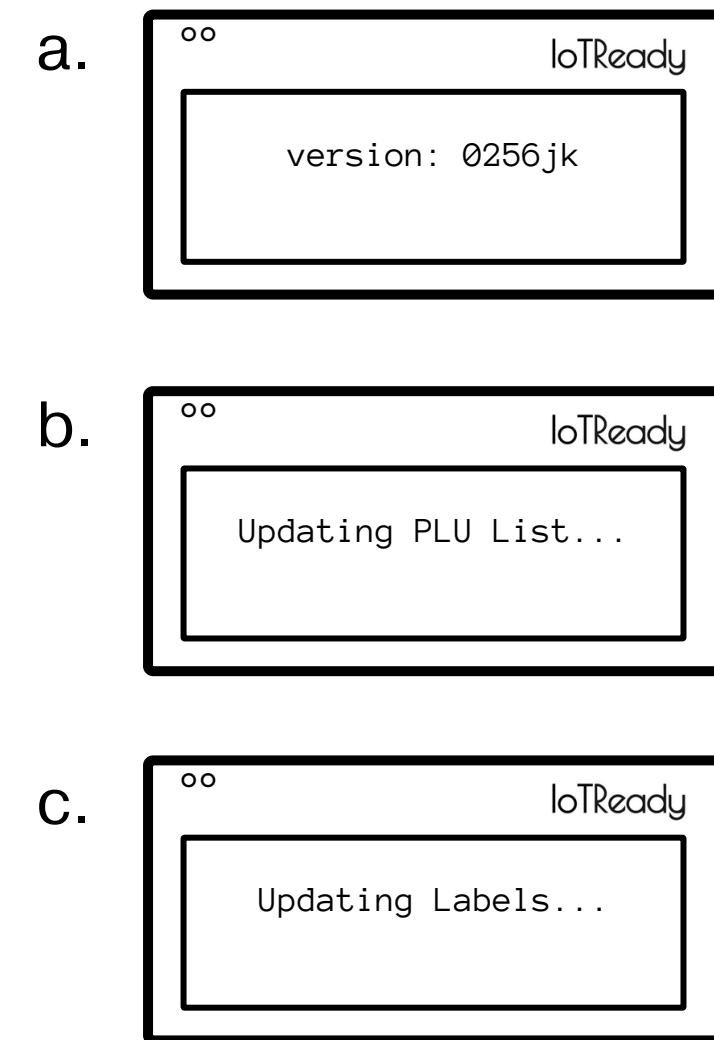


# Powering On

---

## Instructions

1. Once the device is plugged in, turn on the device using the switch provided by the side of the Weighing Scale Data Logger device.
2. Displays containing the following information will flash on the screen sequentially.
  - a. Version Code
  - b. 'Updating PLU list'
  - c. 'Updating Labels'
3. Once the device lands at the display showing the date and the connectivity to a network, the device is ready for use.



**Disclaimer:** It usually takes 60-90 seconds for the device to completely switch on. Kindly wait for the device to be completely booted up before using it.

# Shutting down

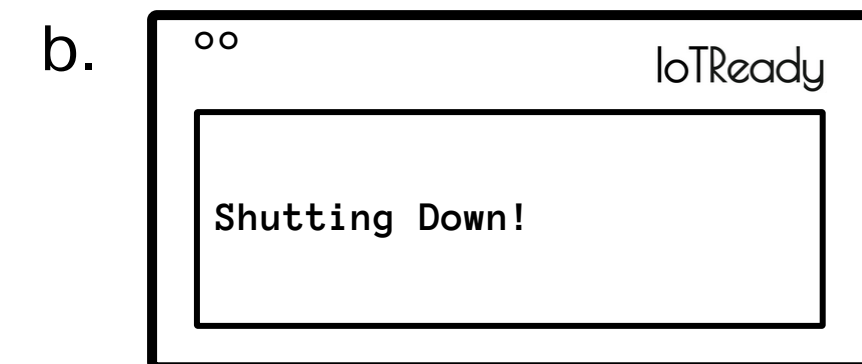
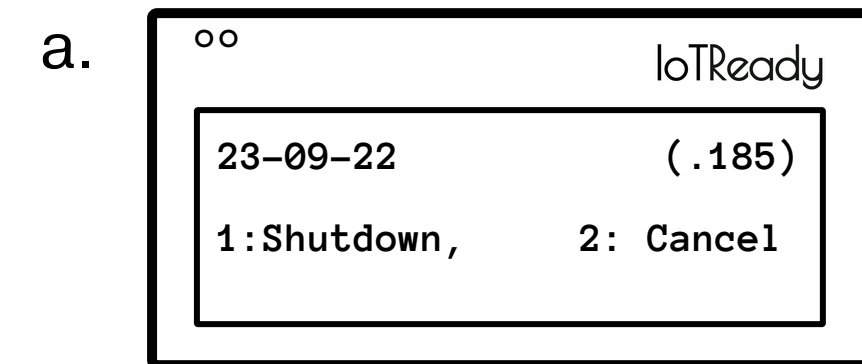
---

## Instructions

When the device is not in use, it is suggested that the device be shut down for optimum performance.

1. To shut down the device, press the 'shutdown' button on the keypad.
2. The display will request your confirmation
3. Confirm the shutdown by pressing the key '1'
4. The display showing 'Shutting Down...' will be visible.
5. Wait for 30-60 seconds once this display comes on.
6. Turn off the device by switching it off, after which you can plug the device out.
7. Your device is now shut down.

**Disclaimer:** The display will keep showing 'Shutting Down...' and will not go off unless the switches are manually switched off after the 30 second window.



# Wi-Fi Configuration

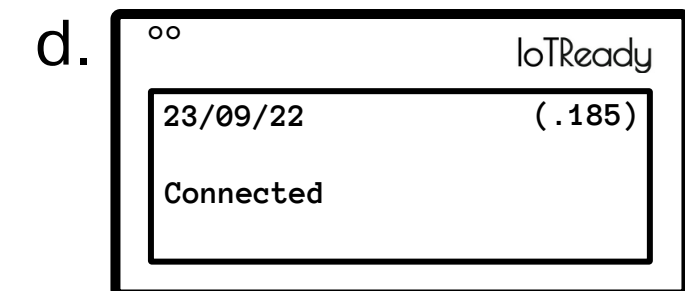
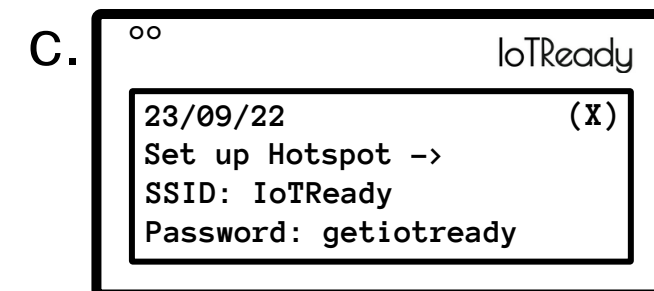
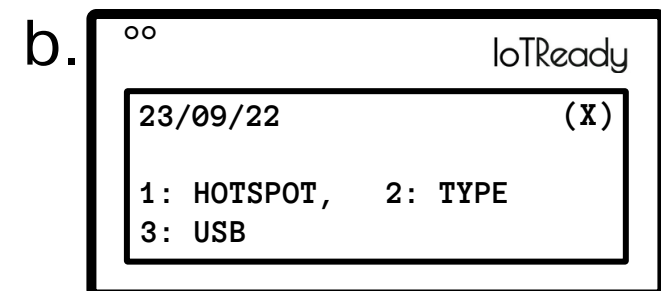
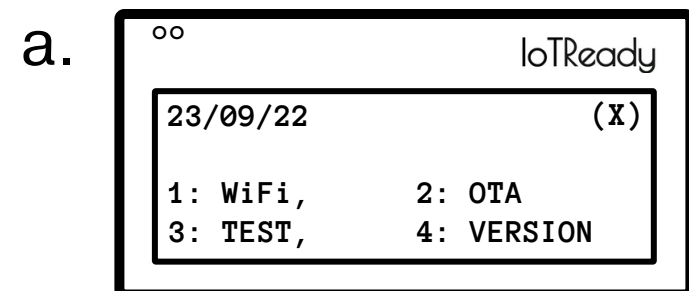
## via Hotspot *Instructions*

To begin with, install the IoTReady Wi-Fi Configuration application on mobile phone. Once done, follow these steps

1. Click on the 'Wi-Fi' menu and select the 'Hotspot' option on the WSDL using the keypad.
2. Create a hotspot using the IoTReady application.
3. You will be directed to a link once the hotspot is created.
4. Enter Wi-Fi SSID and password in their respective text fields
5. You will be connected to the Wi-Fi.



Scan to download the IoTReady  
Wi-Fi configuration application





# Wi-Fi Configuration

## via USB

### Instructions

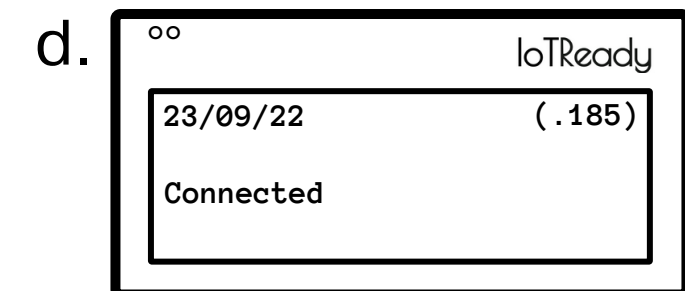
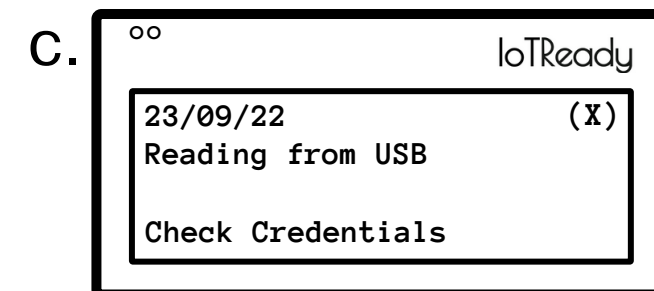
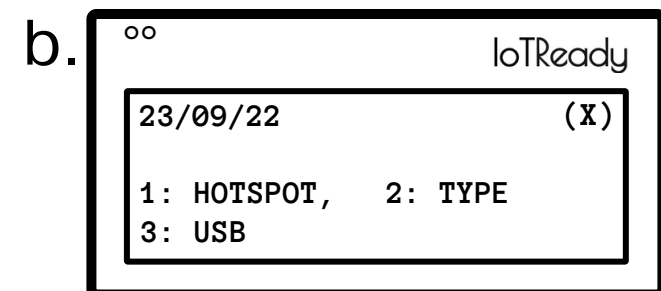
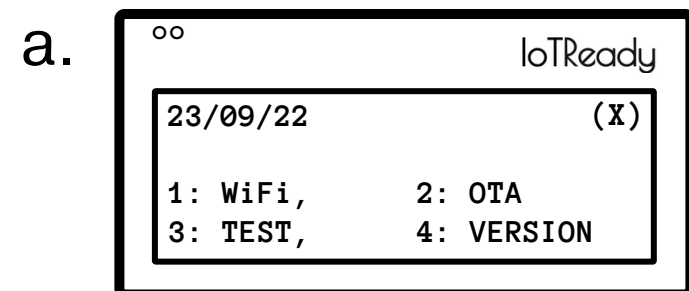
This method requires a USB pen drive.

1. Create a **.txt file** named 'wifi.txt' containing the Wi-Fi credentials in the given format.
2. Transfer the file to an empty USB drive.
3. Insert the USB drive to the WSDL device.
4. Click on the 'Wi-Fi' menu and select the 'USB' option.
5. You will be connected to the Wi-Fi.

```
wifi.txt

IoTReady
getiotready
```

**Format of the .txt file - Type only the following**  
Line 1 - Wi-Fi SSID of desired network  
Line 2 - Password to the Wi-Fi network

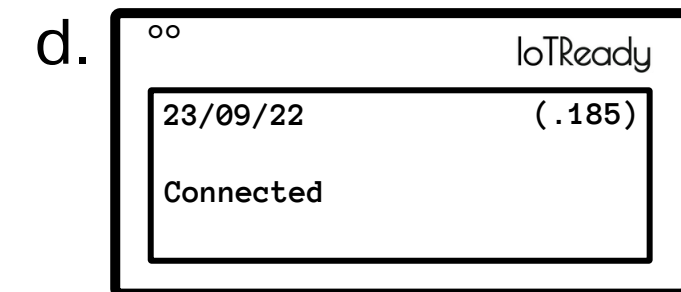
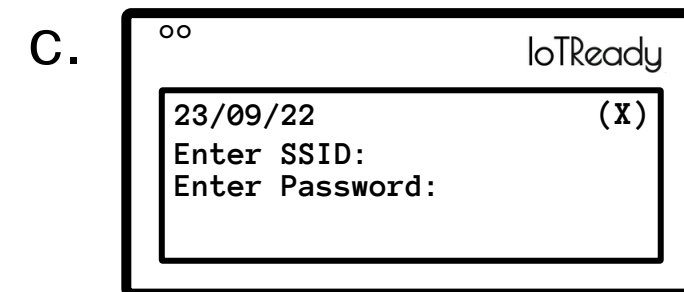
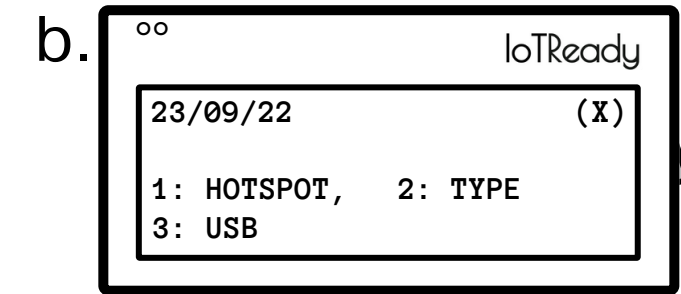
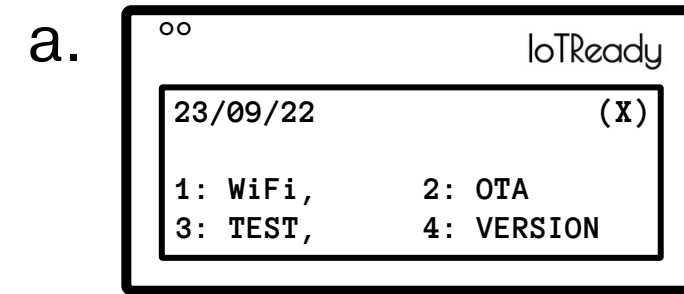


# Wi-Fi Configuration

## via Type Instructions

This method requires the usage of a USB type keyboard.

1. Connect a USB keyboard to one of the USB ports at the bottom of the device.
2. Click on the 'Wi-Fi' menu and select the 'Type' option.
3. Enter Wi-Fi SSID and password in their respective text fields. Press 'Esc' button to enter.
4. You will be connected to the Wi-Fi.



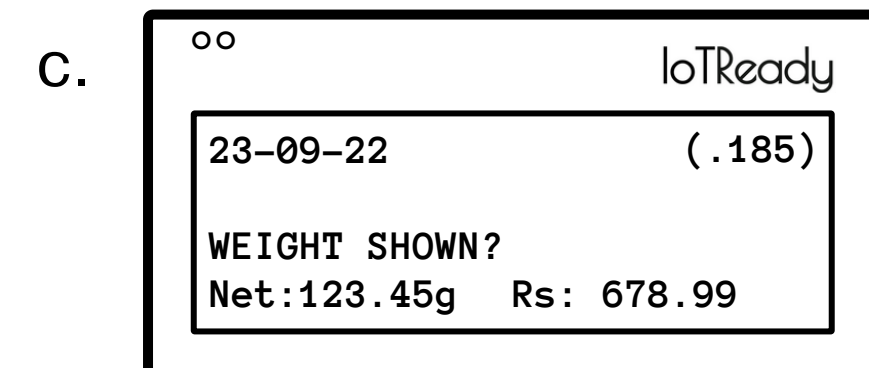
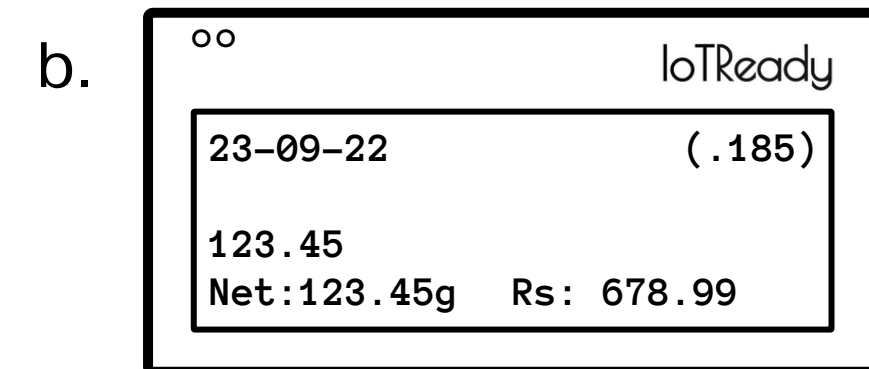
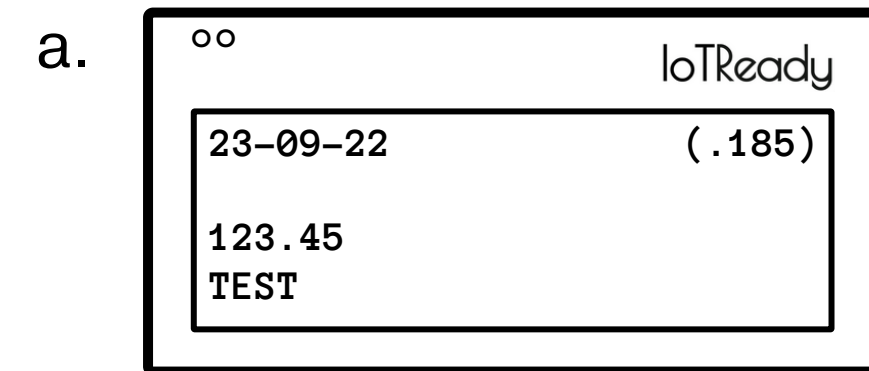
**Disclaimer:** The display will not show the text until the 'Esc' button is pressed.

# Scale Test

---

## Instructions

1. Make sure that the device is on and functioning properly, with the display showing the date and the IP of the connected network.
2. Press the 'Menu' button on the Keypad.
3. A menu will appear on the display.
4. Press 3 to select 'Test'.
5. Place a weight on the scale.
6. The recorded weight will be displayed.
7. The display will also ask whether the weight is shown.
8. To exit the screen, Press the 'Shutdown' button twice.
9. The test for receiving readings from the weighing scale is complete



# Updating PLU

---

## ***Instructions***

1. Make sure the device is on and functioning properly, with the display showing the date and the IP of the connected network.
2. Press the PLU button on the Keypad.
3. The display will show that the list is being updated. The process takes about 30 seconds.
4. The PLU List is now updated.

# Updating Firmware

---

## ***Instructions***

1. Make sure that the device is on and functioning properly, with the display showing the date and the IP of the connected network.
2. Press the 'Menu' button on the Keypad.
3. A menu will appear on the display.
4. Press 2 to select 'OTA' and the device will start rebooting.
5. Once rebooted, the version of the updated firmware will be displayed.



# USAGE INSTRUCTIONS

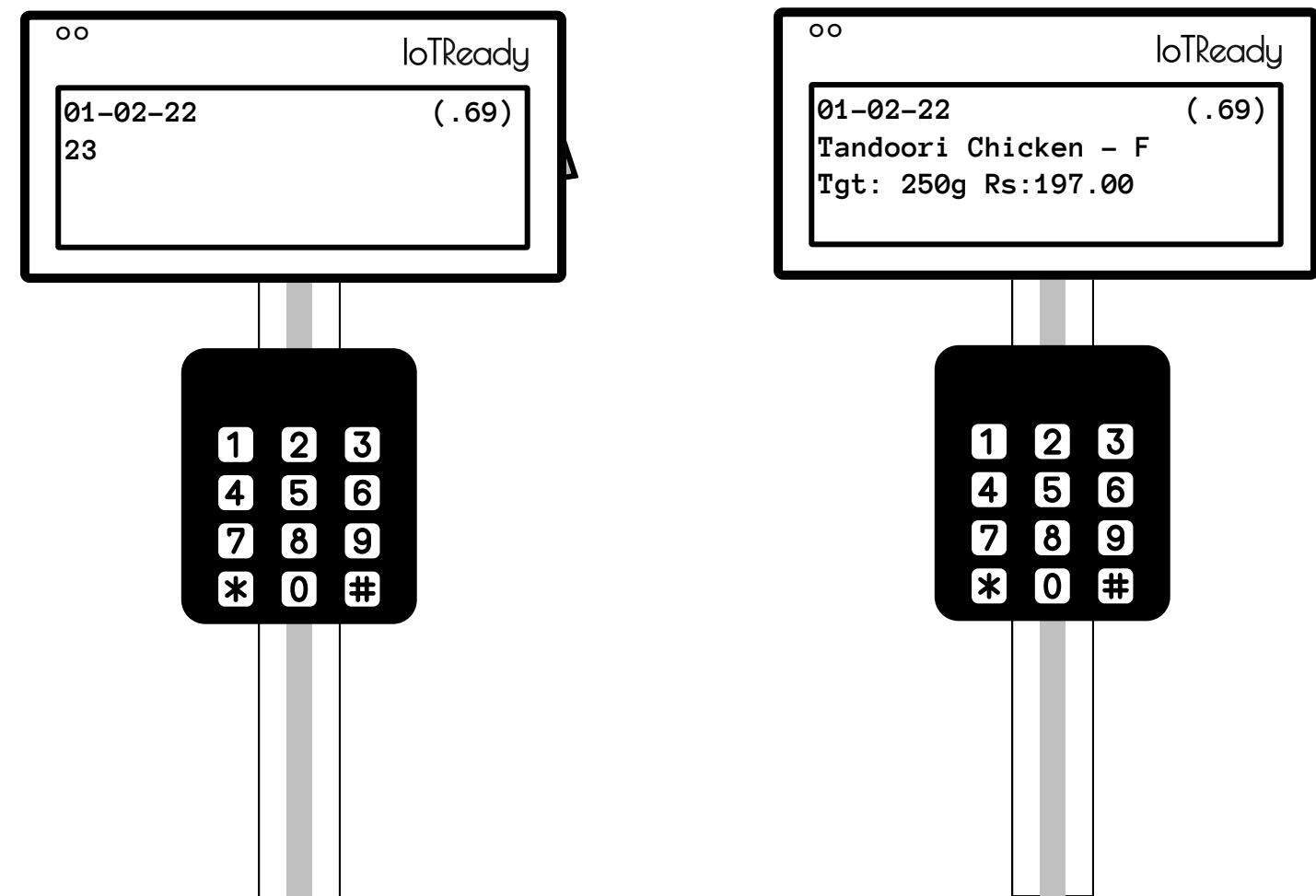
---

The flow of usage of the ***Centralized Label Management*** Solution is described in the section that follows.



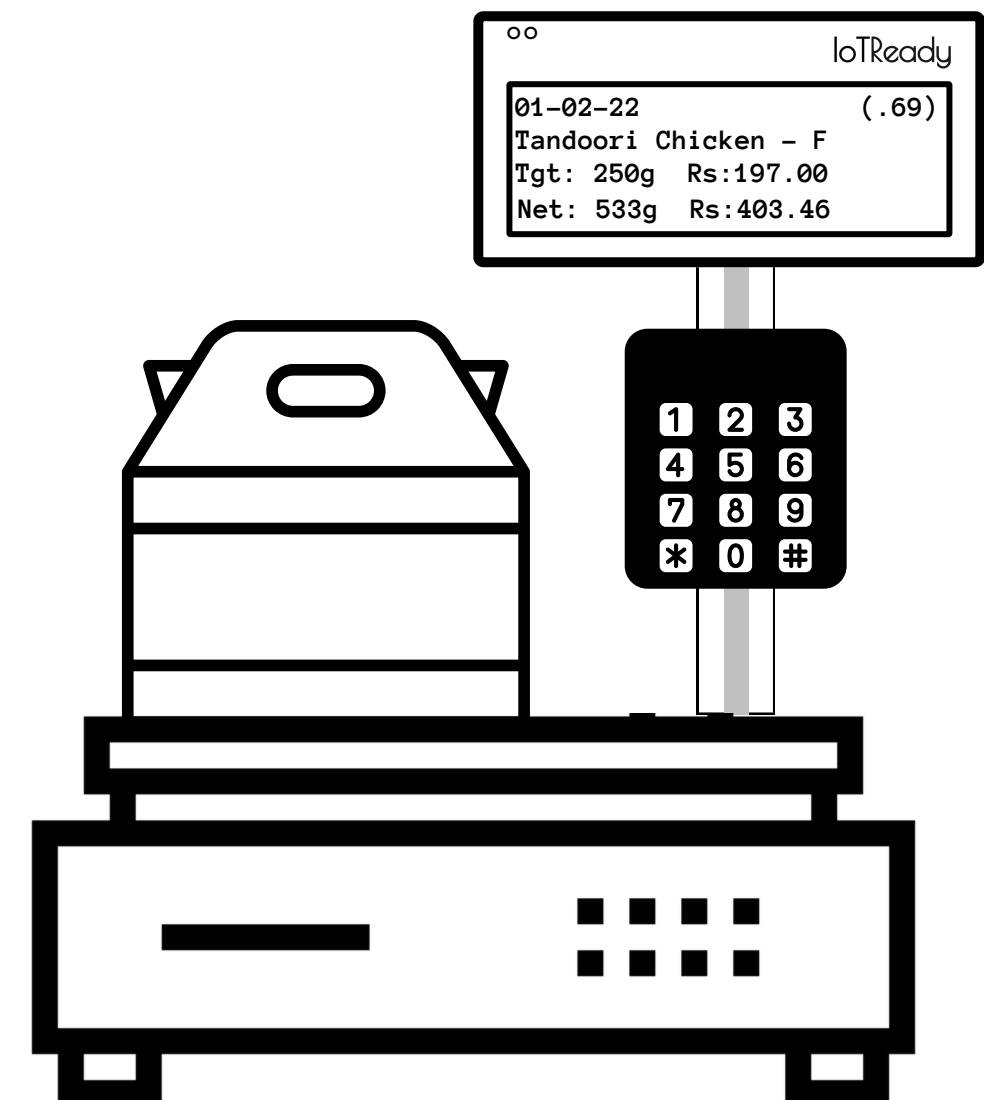
## Step 1

Enter the SKU Code using the keypad and press 'Enter',



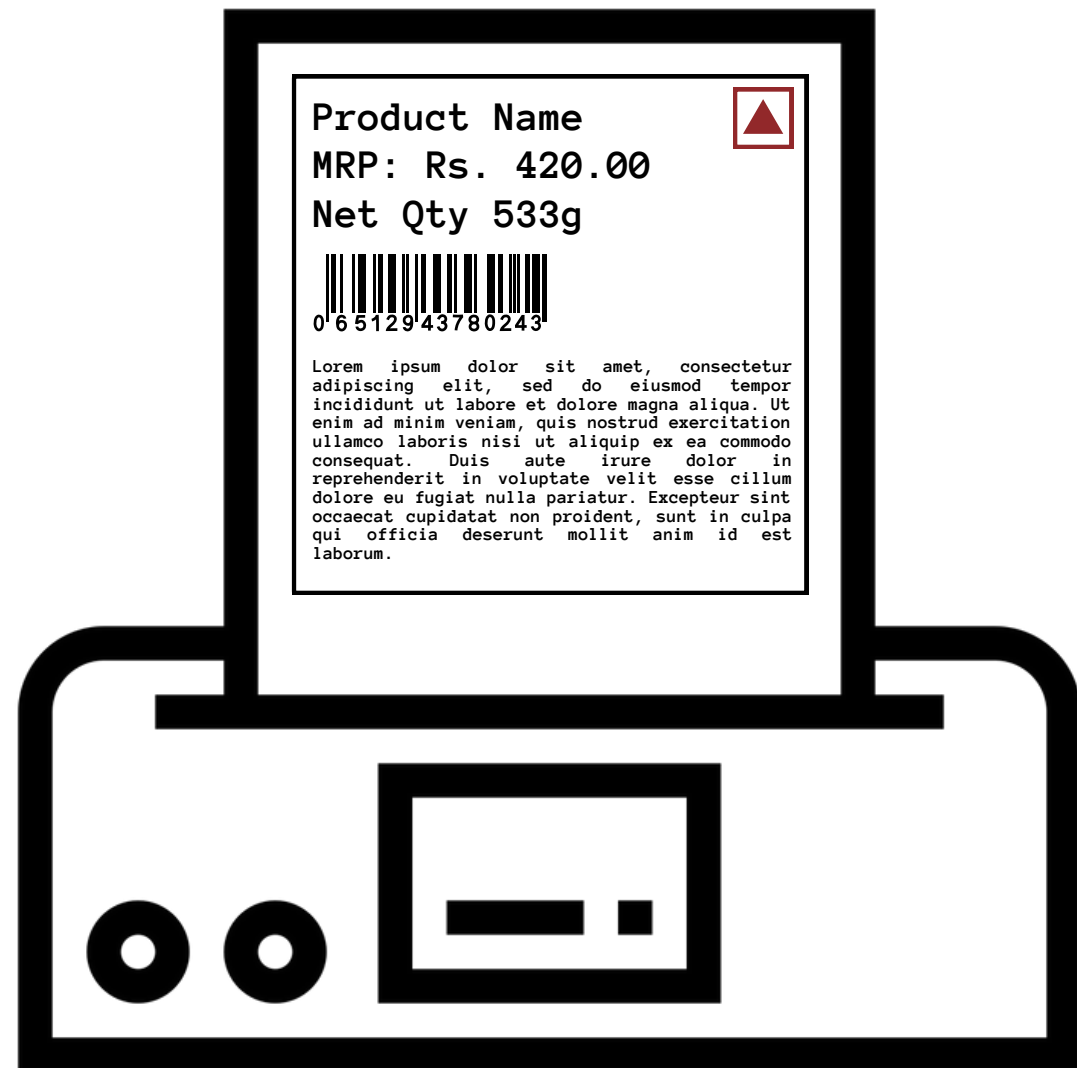
## Step 2

Weigh the package containing the SKU.  
The display shows the weight of the package and price per unit weight.



### Step 3

A label is automatically printed once the weight is shown on the display.



### Step 4

The package can be removed from the scale and the next package can be placed.

The printed label is stuck onto the package containing the SKU and sent ahead.

Once the above said steps are done, the steps 2-4 are to be repeated for as long as the same SKU is being weighed.

When a different SKU is to be weighed, the operator has to simply type in the new SKU Code and press 'Enter' from Step 1. The labels for the same can then be printed as per steps 2-4



# IoTReady<sup>®</sup>

TRACEABLE QUALITY

---

PH1, Rich homes,  
5/1 Richmond Road,  
Bangalore - 560025

iotready.co  
hello@iotready.co  
+91 74119 67890

