Prana Air

AMBIENT MONITOR
INSTRUCTION MANUAL

know what you breathe

TABLE OF
CONTENTS

WHAT'S INSIDE
THE BOX

Ambient Monitor

Wall Mounting Plate

Screws
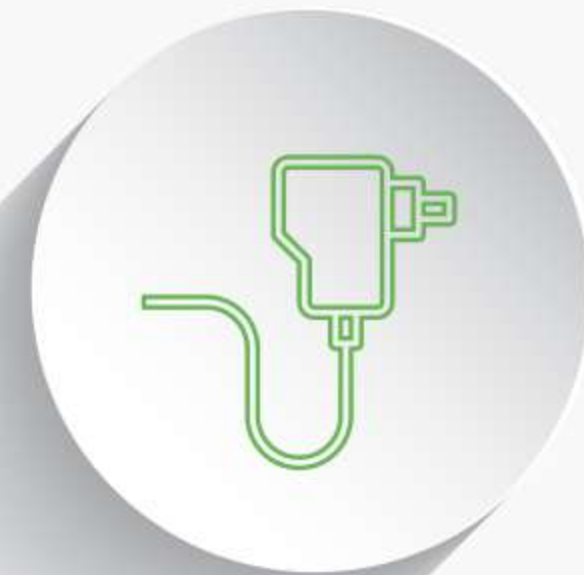
5V Adapter
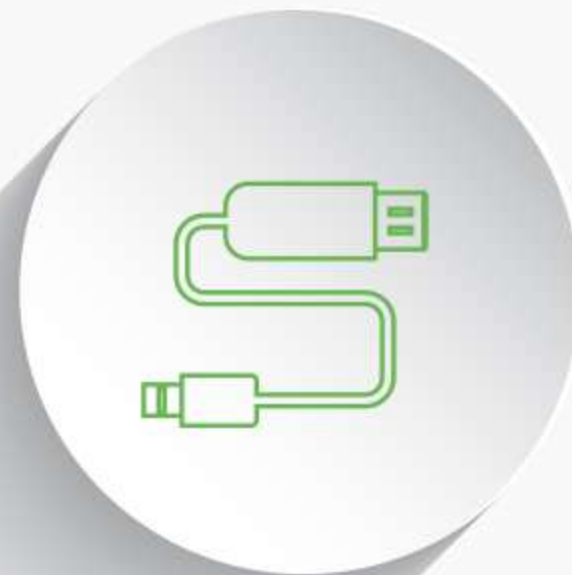
Micro USB Cable
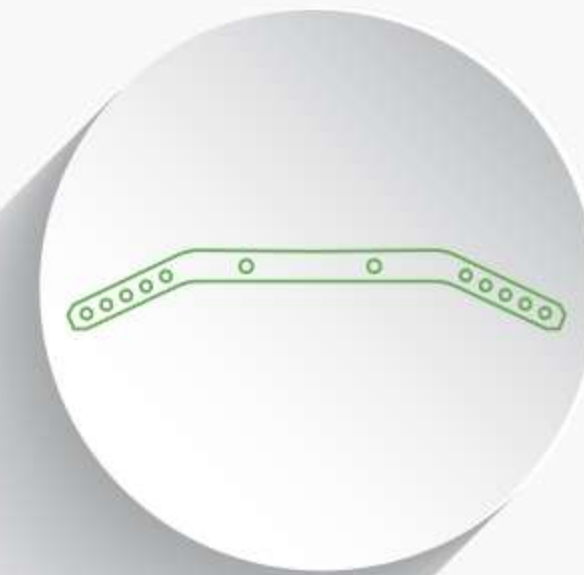
Aluminium Clamp
(as per requirement only)

Getting Started : Know your Ambient Monitor

General information about the product that explains
the basic functionalities of the device.

01
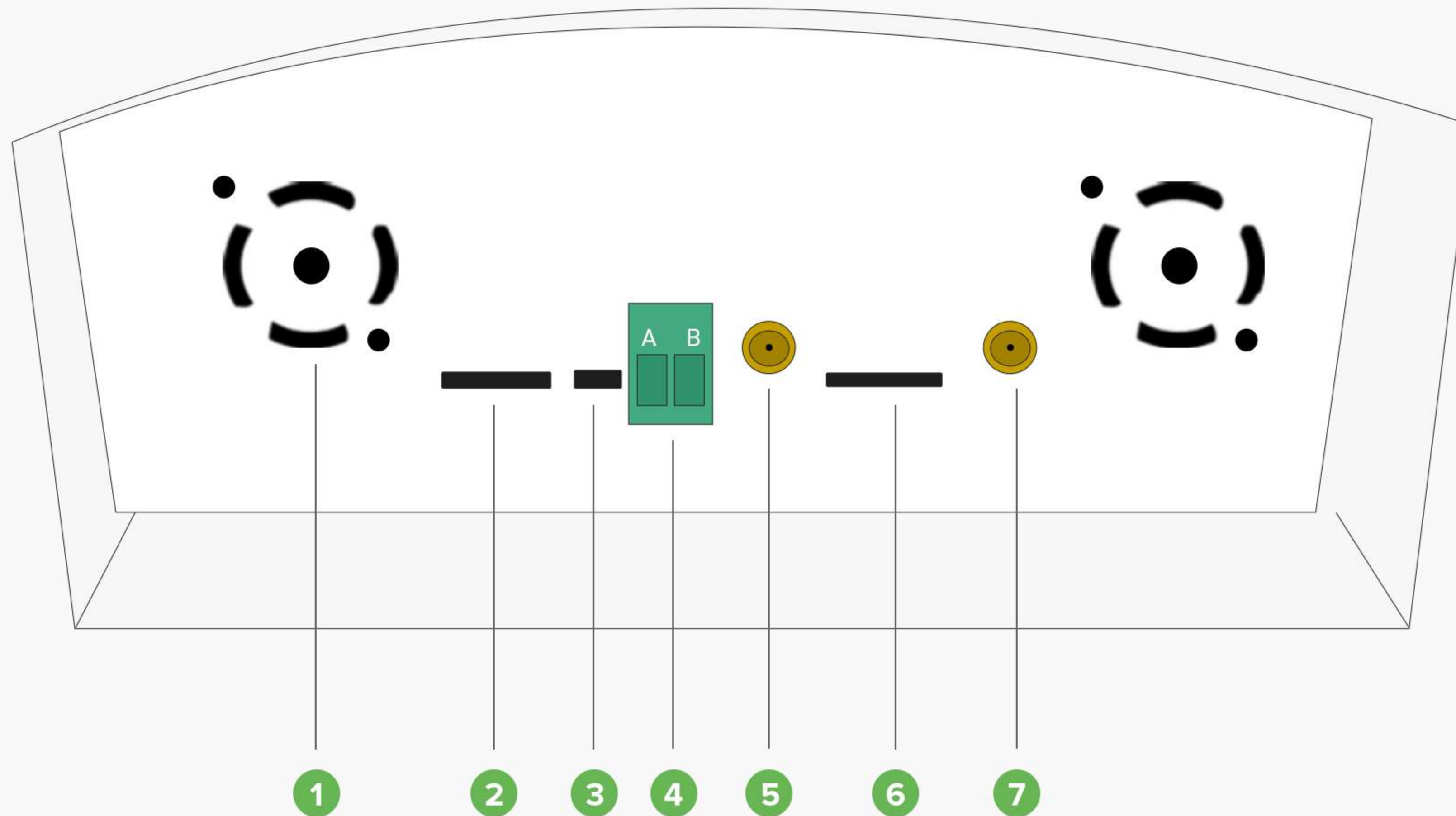
1. Fan

2. Micro SD Card Slot

3. USB Power Supply

4. RS-485 Slot

5. GPS Antenna Slot

6. Micro SIM Card Slot

7. GSM Antenna Slot

GSM Connectivity

GSM connectivity enables remote monitoring and data transmission, providing real-time updates on air quality levels and alerts, even in areas without Wi-Fi access.

02

1 Insert the Micro SIM card in the slot (according to the direction given below).

A B

SIM
0354 909980
0304407000
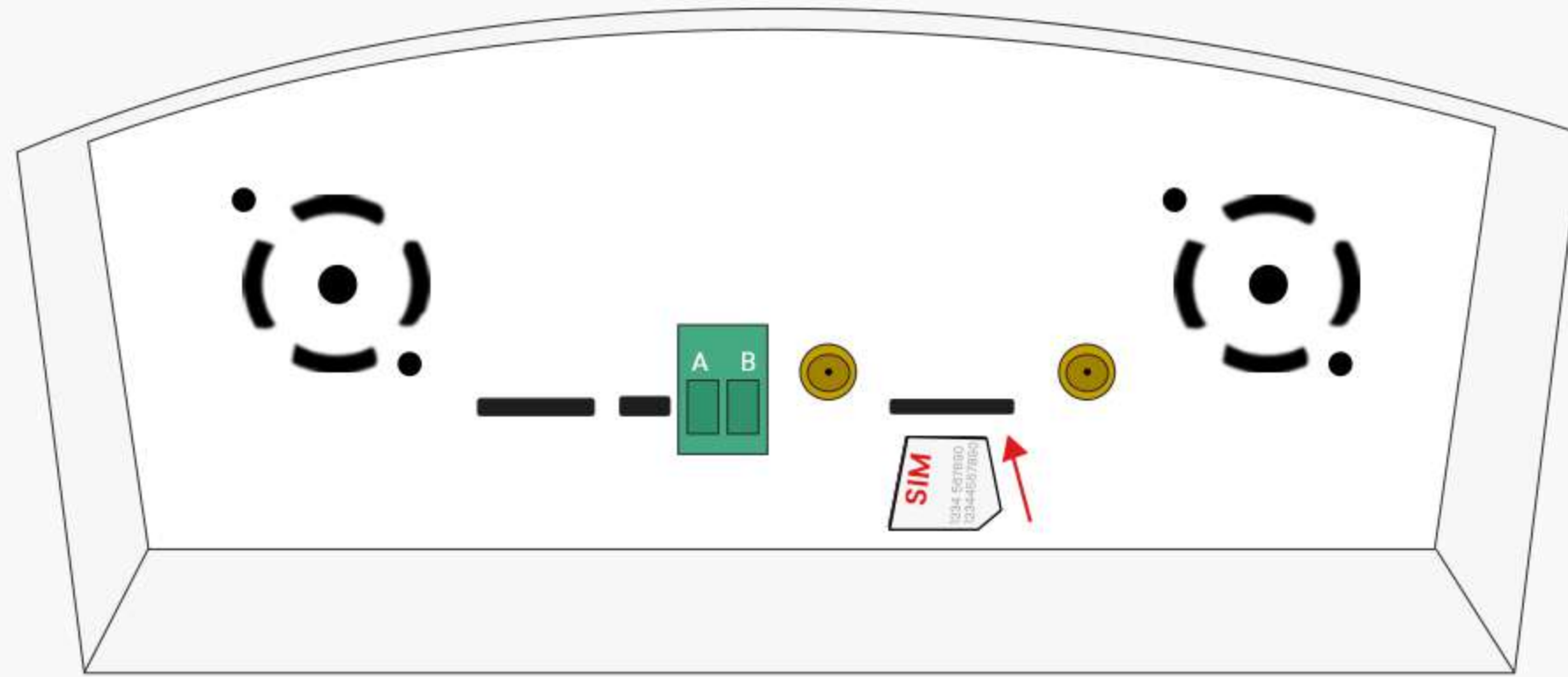
NOTE :

This device supports Airtel or Vodafone SIM cards.

2 Turn on the monitor by connecting it to the USB cable and the adapter and plugging it into a power source.

Prana Air
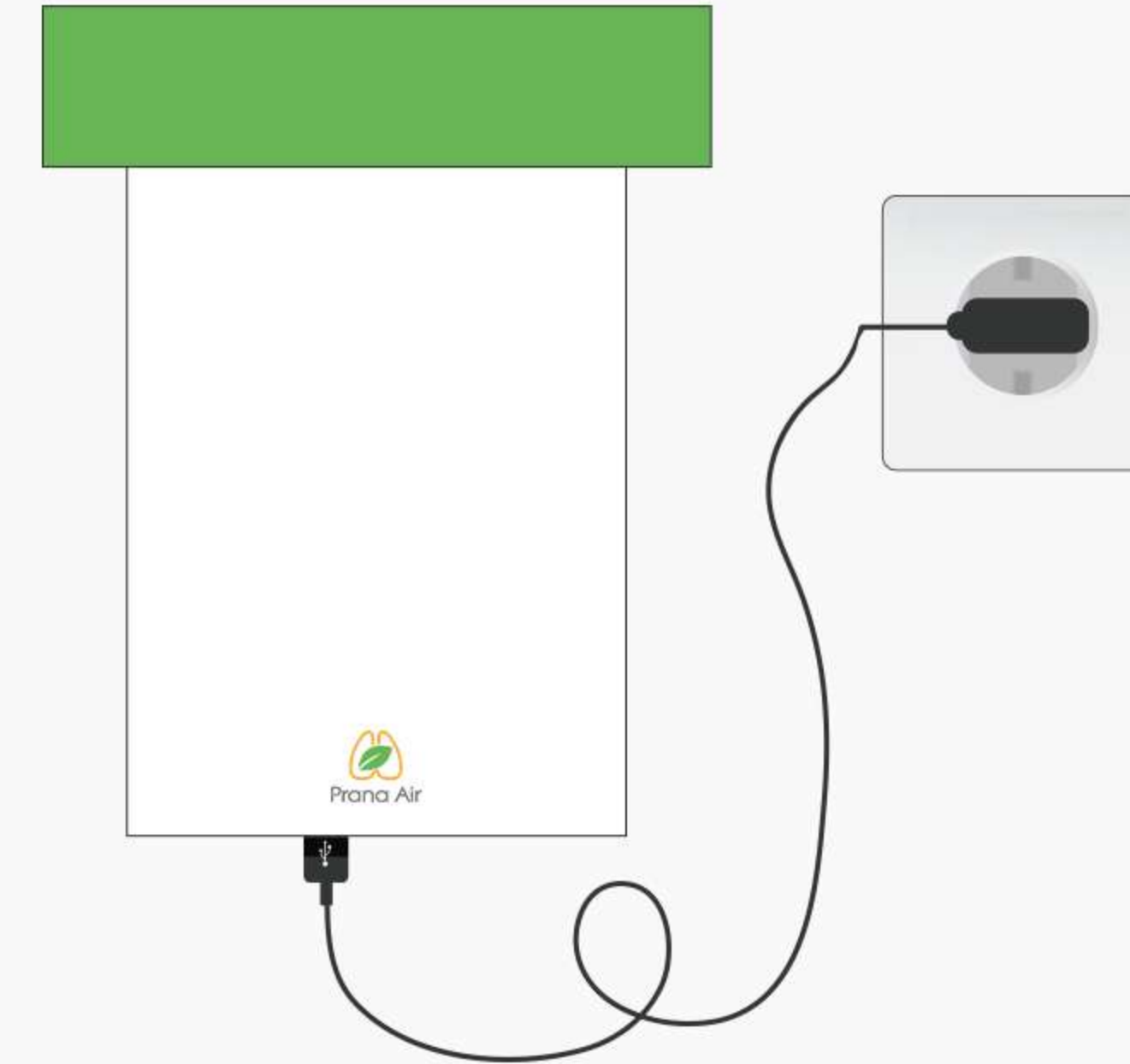
IMPORTANT NOTE:

For guidance on How to install the device, please refer to page 17 of the manual after completing the connectivity process as per the instructions provided.

Connecting the monitor to the AQI App

The AQI app serves as a platform for easy access to
the data collected by the device.

03

1 Install the AQI App and open it. Allow all the permissions accordingly.

2 Click on **"My Devices"** to Sign up for creating a new account or Log in if you already have one. For Login/ Sign up procedure, refer to **Page 19**.

AQI (Air Quality Index)
Purelogic Labs

Install

What's New →
Last updated Feb 10, 2023

Bug fixes and stability improves
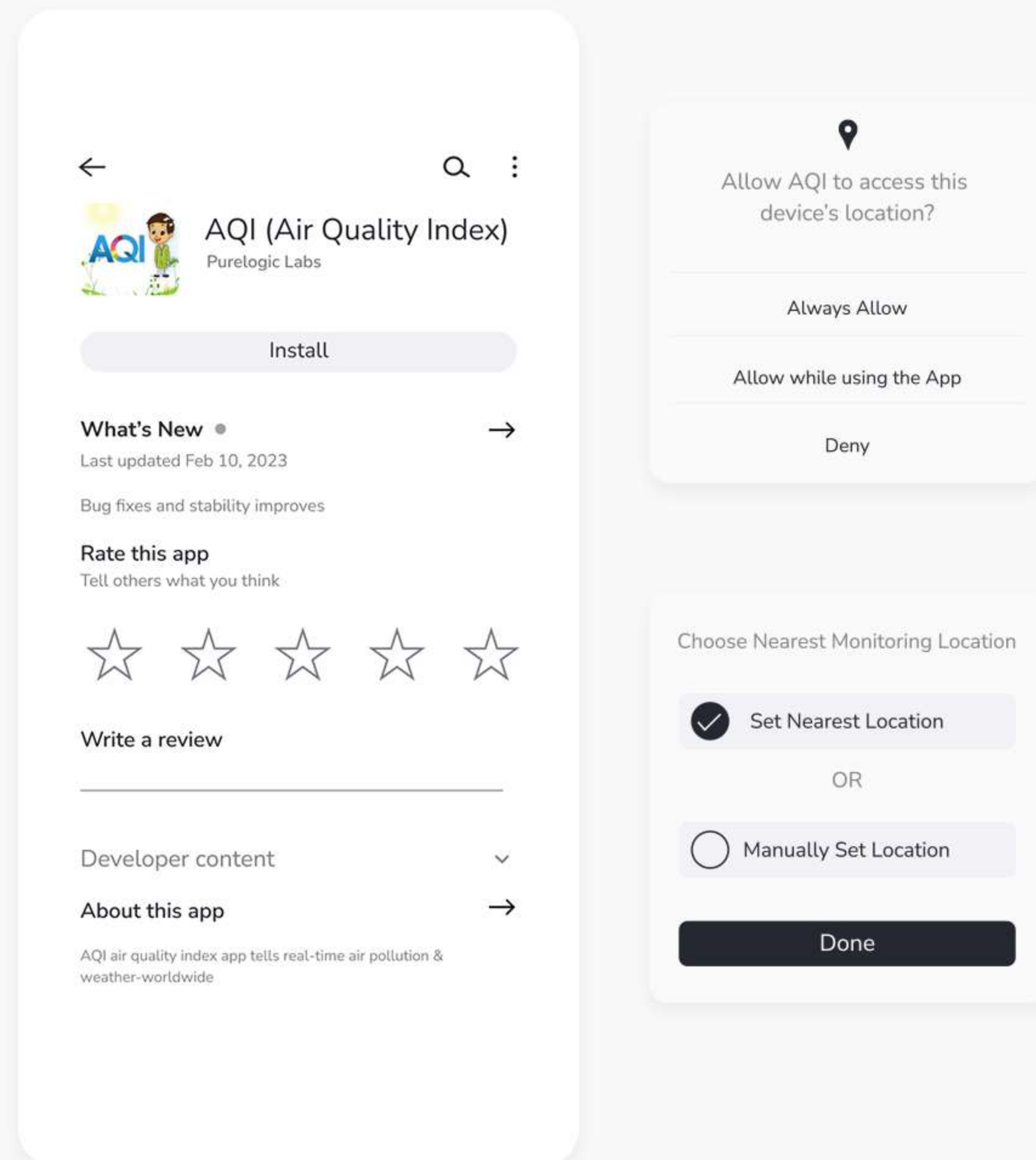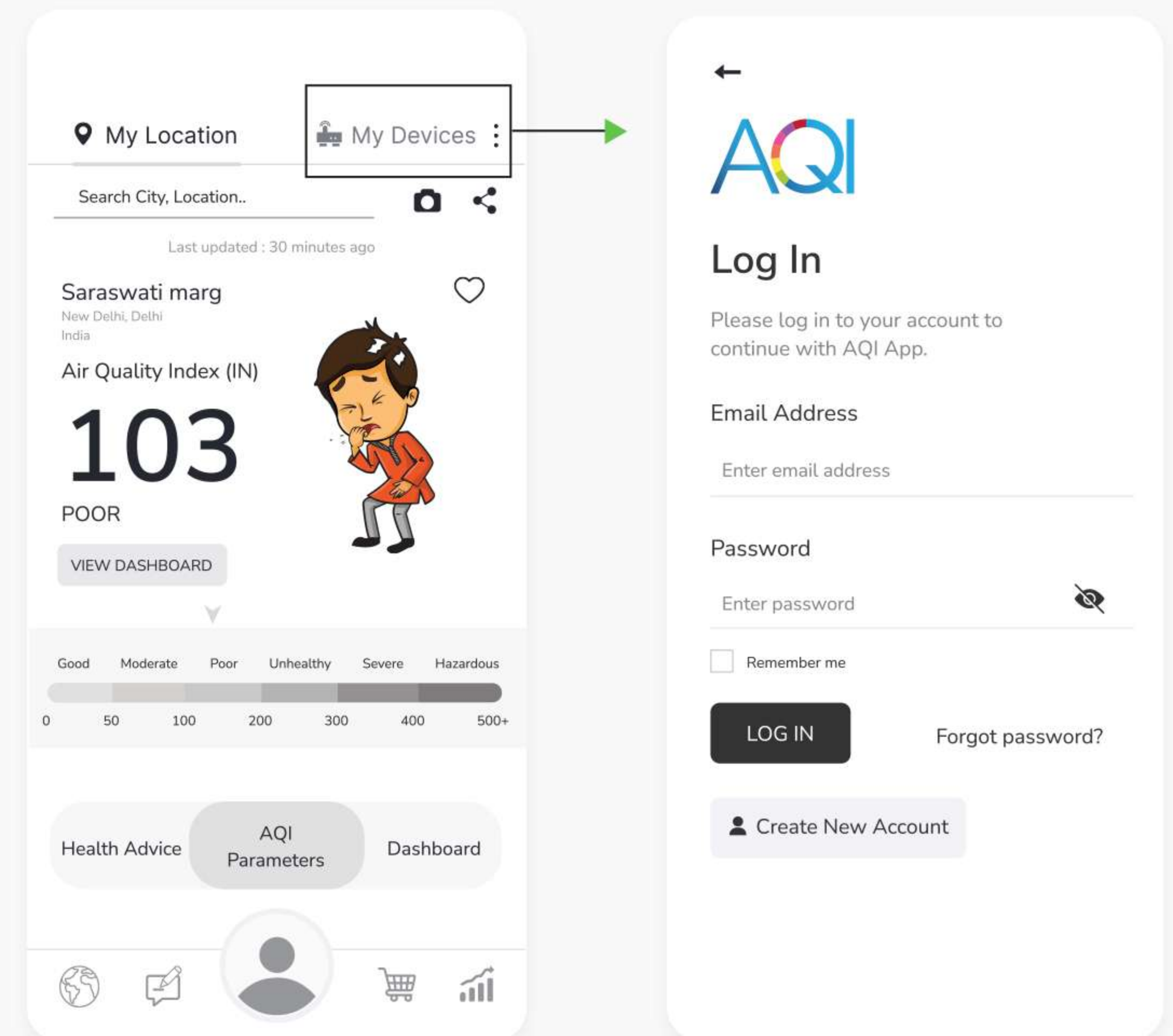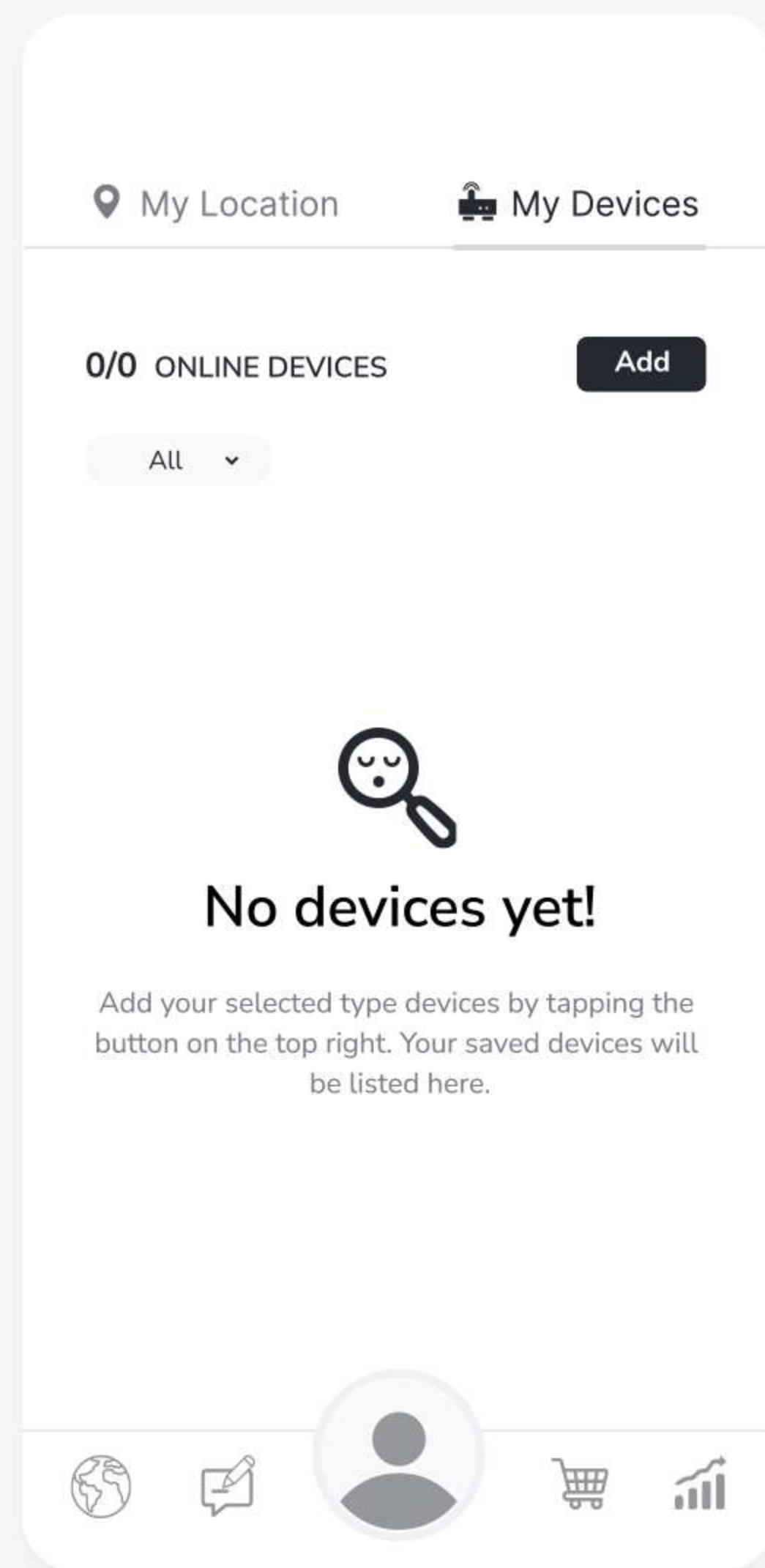
Rate this app
Tell others what you think

☆ ☆ ☆ ☆ ☆

Write a review

Developer content ∨

About this app →

AQI air quality index app tells real-time air pollution & weather-worldwide

Allow AQI to access this device's location?

Always Allow

Allow while using the App

Deny

Choose Nearest Monitoring Location

✓ Set Nearest Location

OR

◯ Manually Set Location

Done

⚲ My Location   🖥 My Devices ⋮

Search City, Location..   📷 ⤴

Last updated : 30 minutes ago

Saraswati marg
New Delhi, Delhi
India ♡

Air Quality Index (IN)

103

POOR

VIEW DASHBOARD

⌄

Good Moderate Poor Unhealthy Severe Hazardous

0   50   100   200   300   400   500+

Health Advice   AQI Parameters   Dashboard

🌐 ✍ 👤 🛒 📈

←

AQI

Log In

Please log in to your account to continue with AQI App.

Email Address

Enter email address

Password

Enter password 👁

☐ Remember me

LOG IN   Forgot password?

👤 Create New Account

3 Once logged in, Go to **"My Devices"** and then click on the **"Add"** button.

4 Then select "**Ambient**" under the 'Choose your Device' section.

My Location   **My Devices**

0/0 ONLINE DEVICES   [Add]

[All ⌄]

No devices yet!

Add your selected type devices by tapping the button on the top right. Your saved devices will be listed here.

‹ **Choose your Device**

CO2 Monitor   Outdoor Smart   54 SQUAIR+

Ambient   Sensible Air   CAIR+ Monitor

Sensible+ Air

5 Enter the device ID present at the bottom side of the monitor and click 'Next'.

6 Add all the necessary details and then click on the **"Setup"** button.

‹ **Enter Your Device Id**

Enter device Id

Device Id

Or

Scan Qr Code

‹ **Configure your Device**

DEVICE ID   XXXXXXXXXXXXXXX

DEVICE TYPE   **Outdoor**

DEVICE NAME

Ambient

Select Location   Enter Location

Office   Parking

Enter full address

Enter Address here

Area

Enter Area here
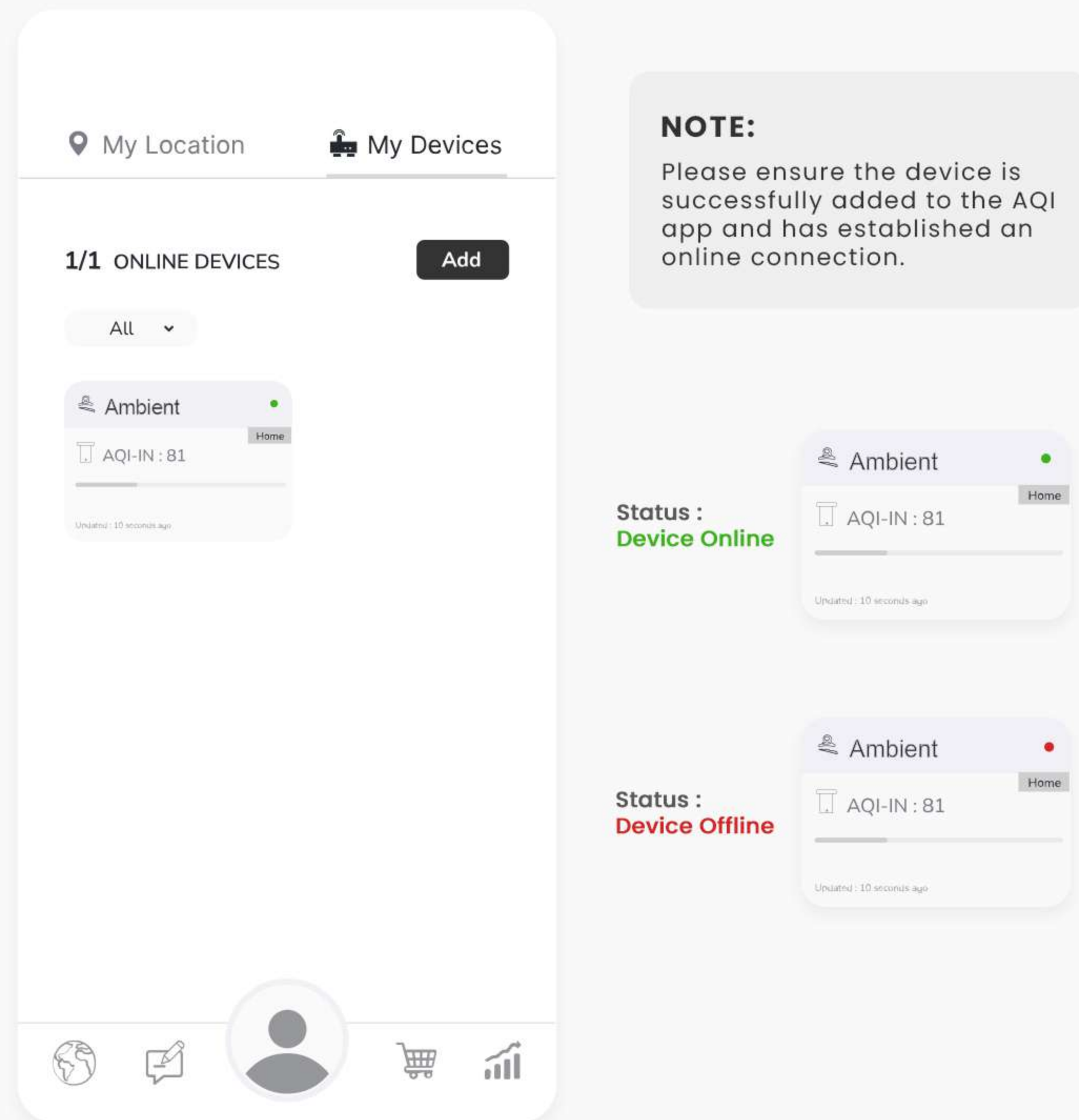
Sub-Area

Enter Sub-Area here

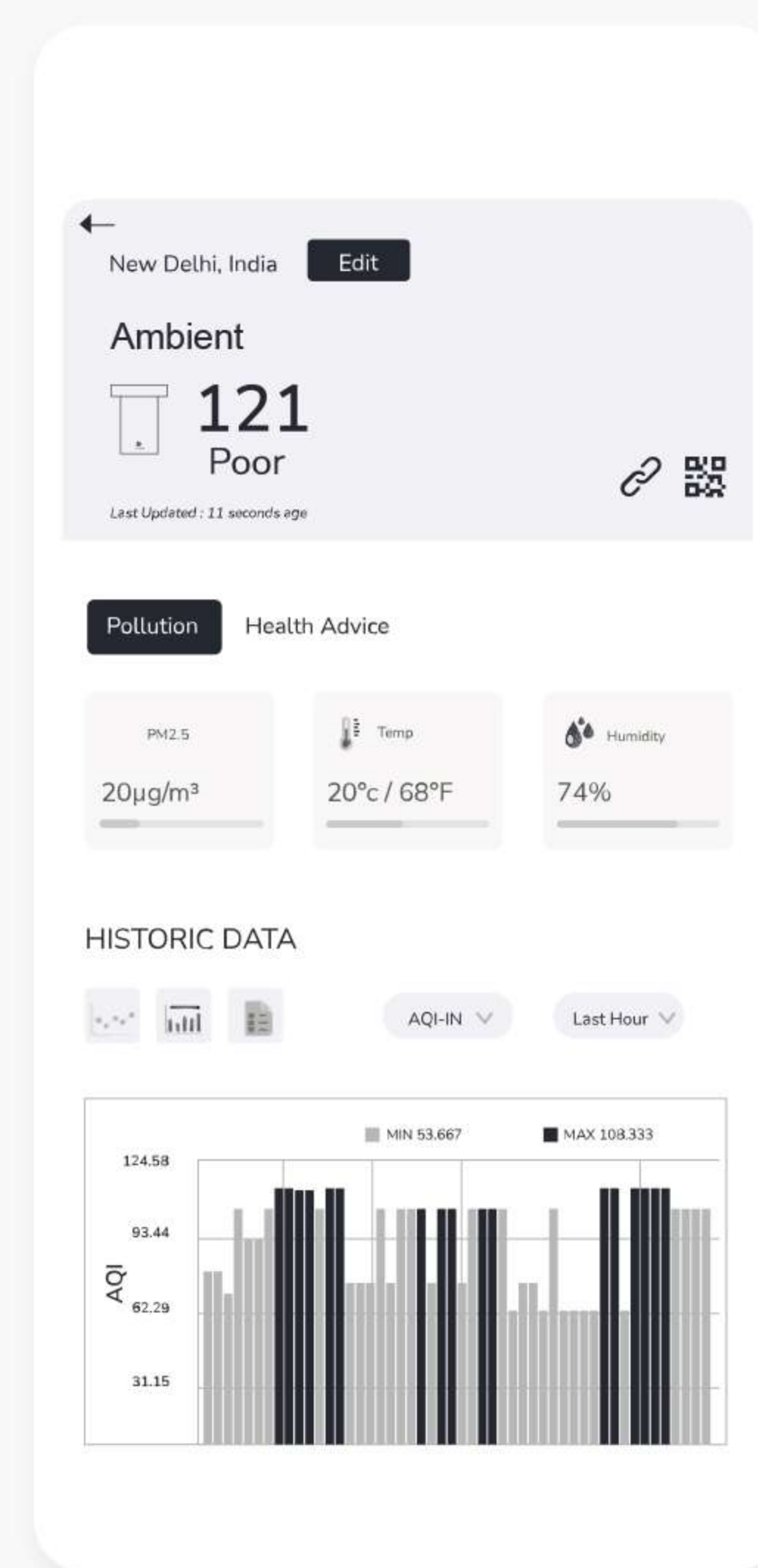Country   State

India   Delhi

City

New Delhi

Setup

7 Your device is added successfully. You can see your added devices under **"My Devices"** section of the AQI App. Check device online status after 5 mins. If offline, verify power source, SIM card orientation and data availability.

8 Click on your device card in "My Devices" to get a detailed view of the monitored data. Click on the **"Edit button"** to edit the details of the device.

My Location | My Devices

1/1 ONLINE DEVICES | Add

All ⌄

Ambient ●
AQI-IN : 81
Home
Updated : 10 seconds ago

NOTE:
Please ensure the device is successfully added to the AQI app and has established an online connection.

Status :
Device Online

Ambient ●
AQI-IN : 81
Home
Updated : 10 seconds ago

Status :
Device Offline

Ambient ●
AQI-IN : 81
Home
Updated : 10 seconds ago

New Delhi, India | Edit

Ambient
121
Poor
Last Updated : 11 seconds ago

Pollution | Health Advice

PM2.5 | Temp | Humidity
20µg/m³ | 20°c / 68°F | 74%

HISTORIC DATA

AQI-IN ⌄ | Last Hour ⌄

MIN 53.667 | MAX 108.333

124.58
93.44
AQI 62.29
31.15

NOTE : The device will continue to display as online for 30 minutes even after going offline.
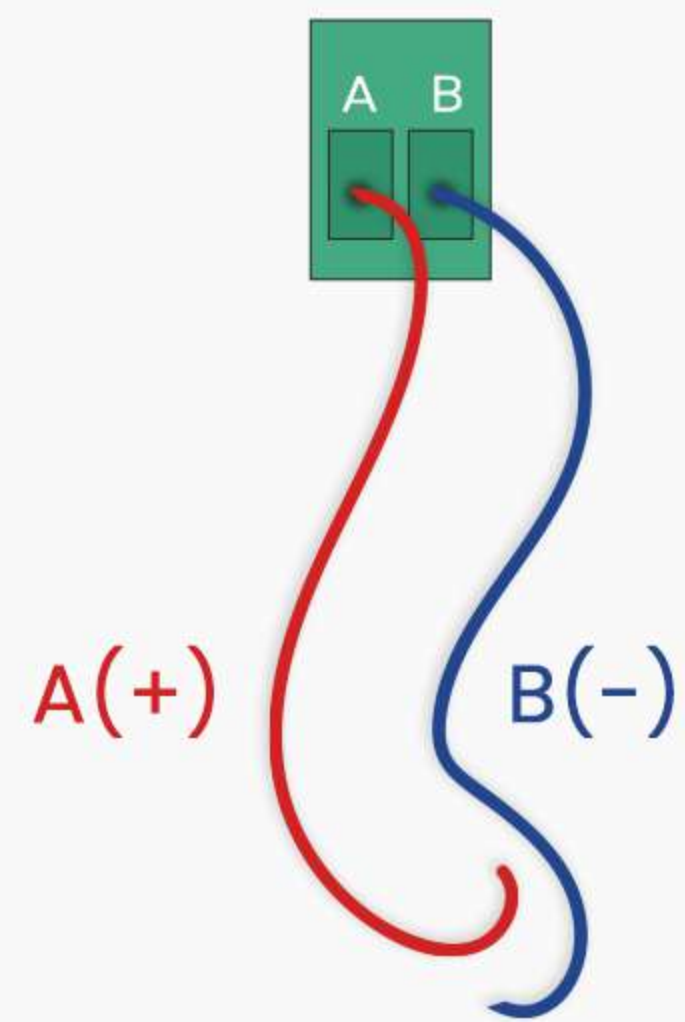
RS 485 Connectivity

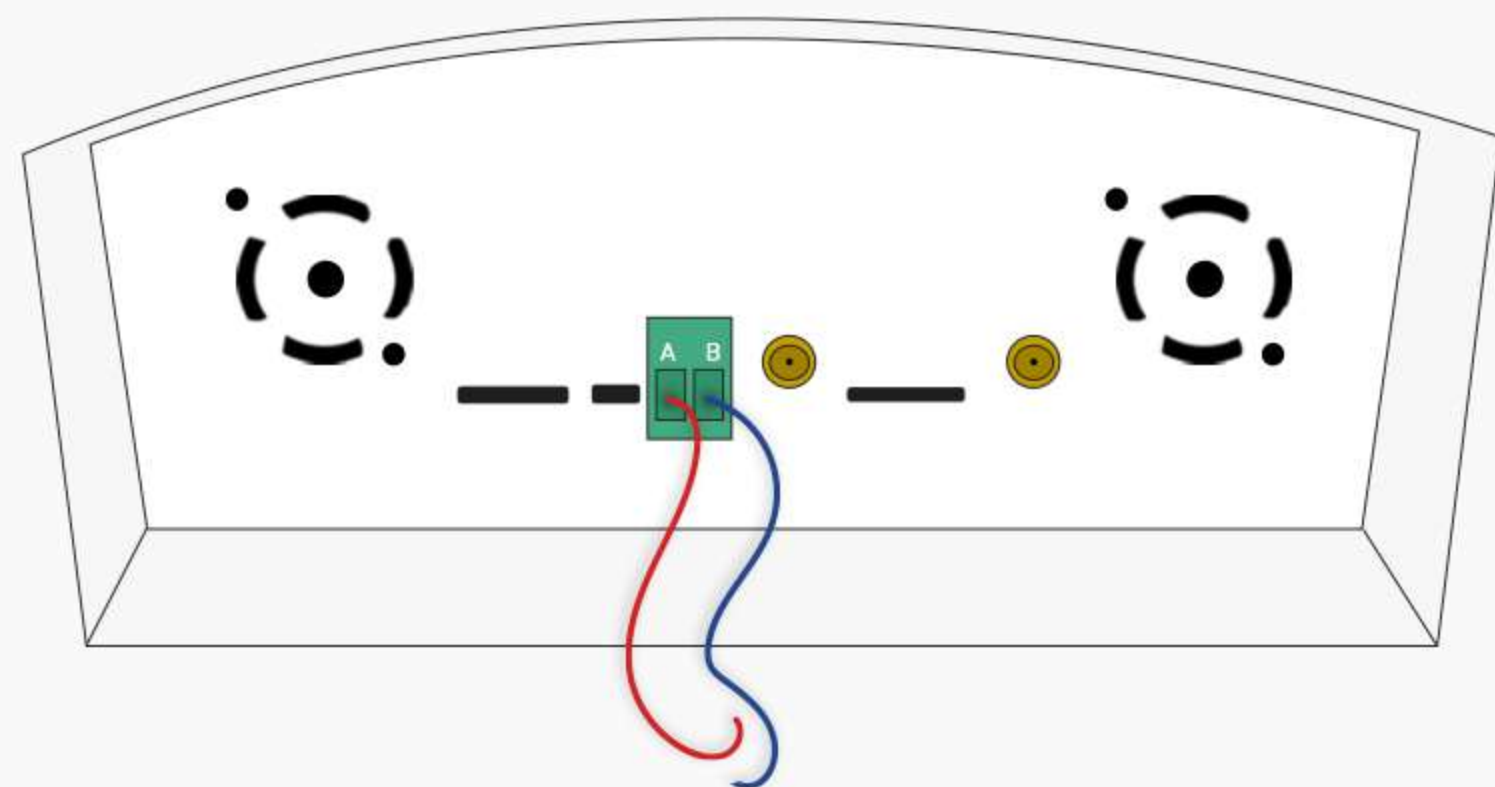RS-485 allows for more efficient data transmission and management.

04

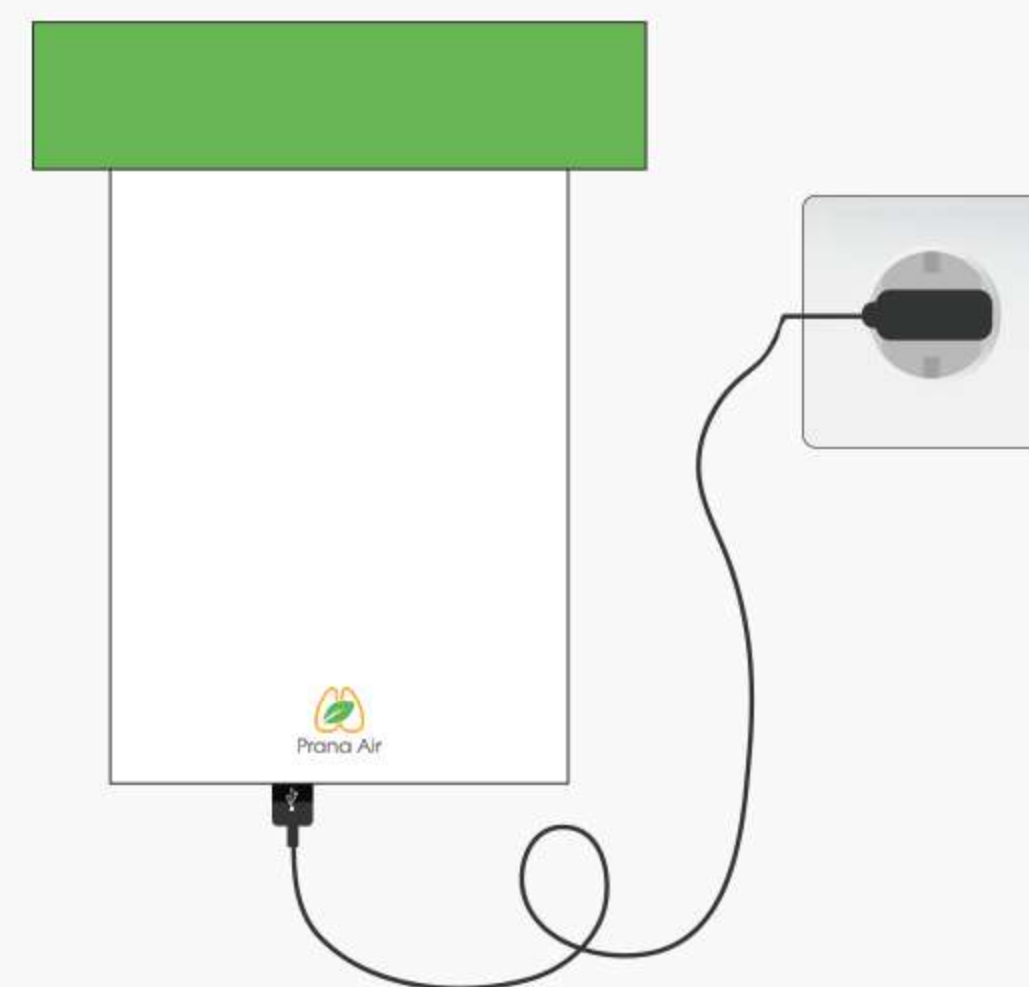**1** Pull out the green plug from the bottom of the monitor.
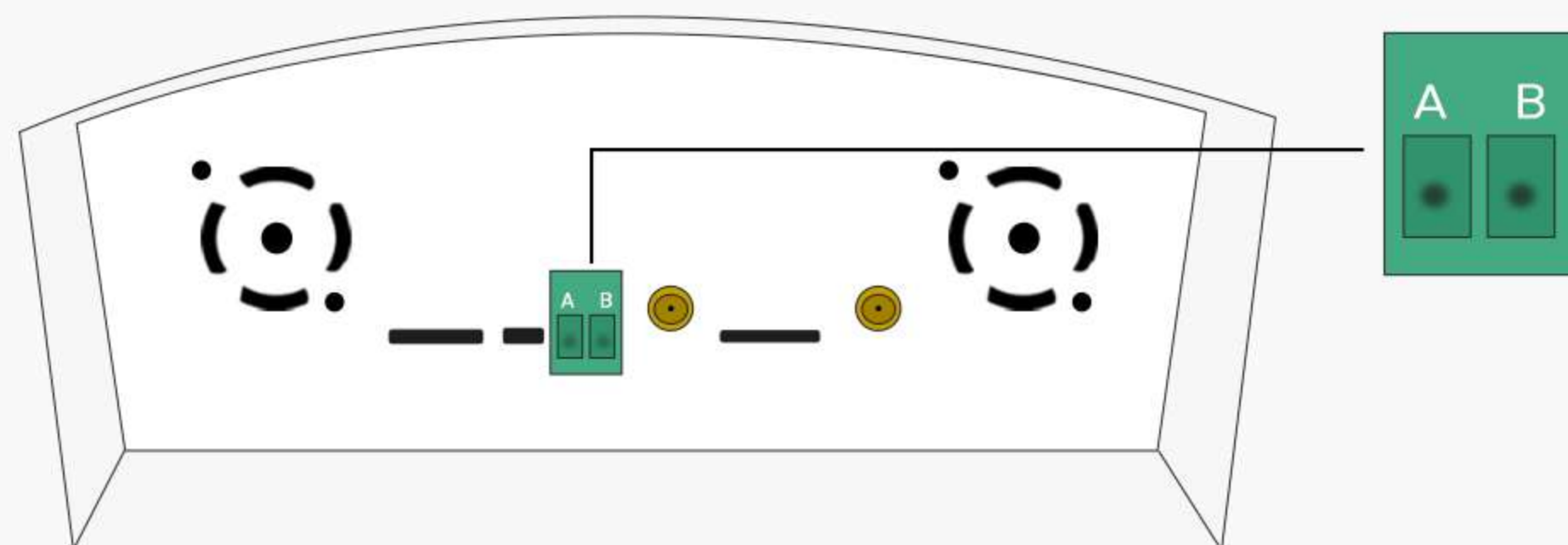
2 Insert positive and negative part as mentioned on the plug.

A B

A(+)   B(−)

3 Insert the plug back into the device.

4 Turn on the monitor by connecting it to the USB cable and the adapter and plugging it into a power source.

Prana Air

3 Now, follow the RS485 mapping details given below :

◆ Baud Rate : 9600 ◆ Parity : None
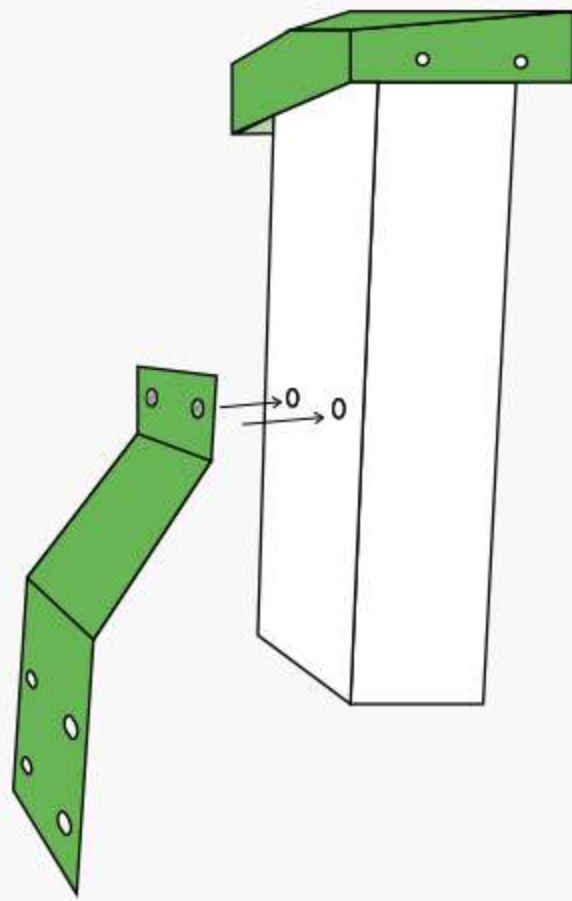
◆ Data Bit : 8 Bit ◆ Stop Bit : 1

Address (Holding Register)

40001	PM2.5	$\mu g/m^3$
40002	CO_2	PPM
40003	Temperature	ºC
40004	Humidity	%
40005	PM1	$\mu g/m^3$
40006	PM10	$\mu g/m^3$
40007	SO_2	PPB
40008	CO	PPB
40009	NO_2	PPB
40010	O_3	PPB
40033	H_2S	PPB

Installation Process

The installation process assists the users to set up the device correctly, minimizing errors, and maximizing the effectiveness of the monitor.
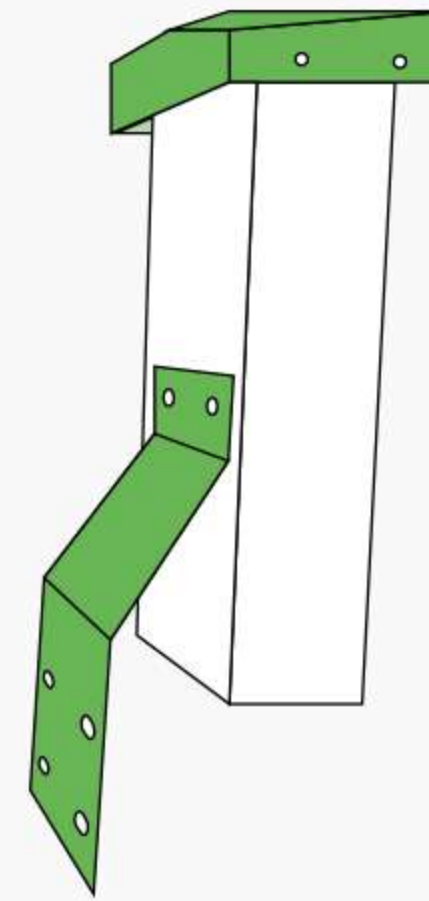
05

Wall Mounting :

1 Align the holes on the plate with the holes on the monitor to position the plate as shown in the diagram.
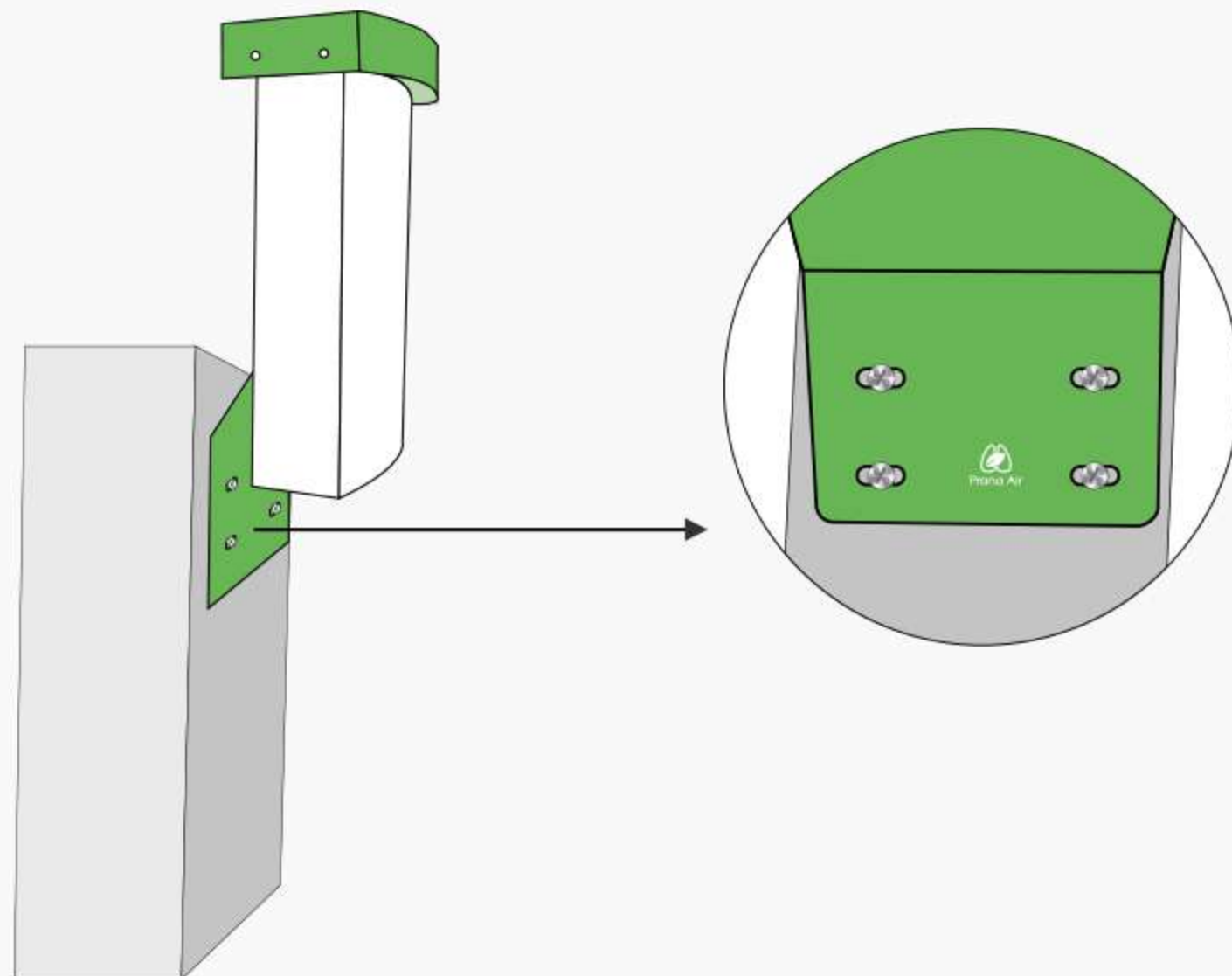
NOTE:

Ensure that the back plate is installed exactly as shown in the image provided.

2 Insert the screws to attach the plate to the monitor. Ensure that the plate is securely placed to avoid any harm to the device.

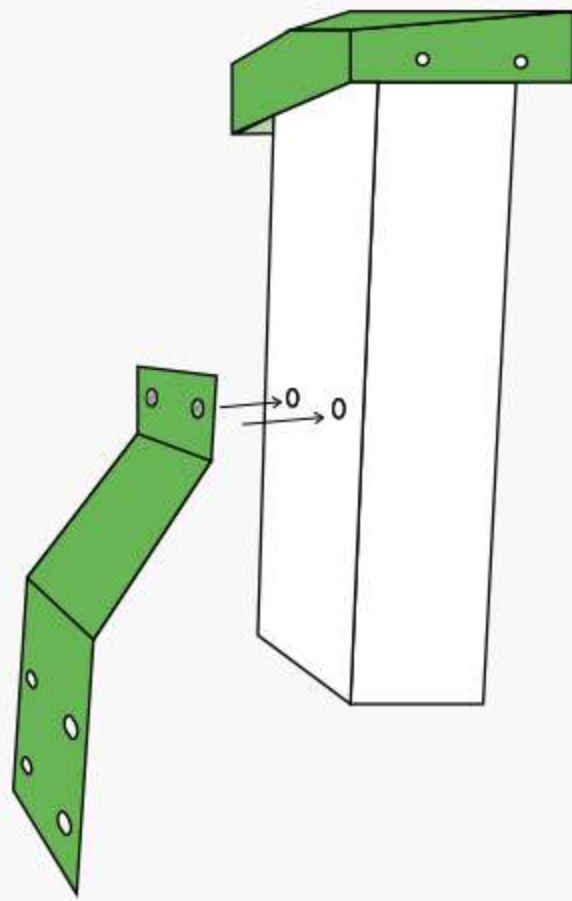**3** To obtain an accurate air sample, it is important to ensure that there is no wall or obstruction behind the monitor.

4 Align and position the device securely using screws, ensuring there is no obstruction behind the monitor for an accurate air sample.
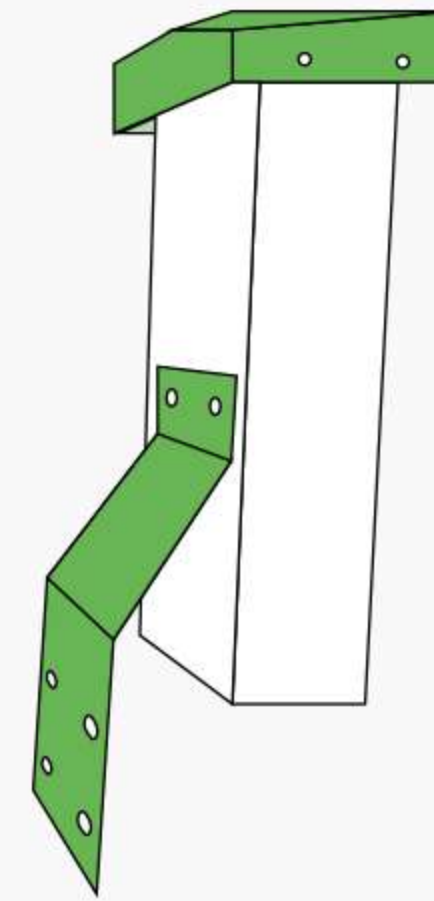
Pole Mounting :

1 Align the holes on the plate with the holes on the monitor to position the plate as shown in the diagram.
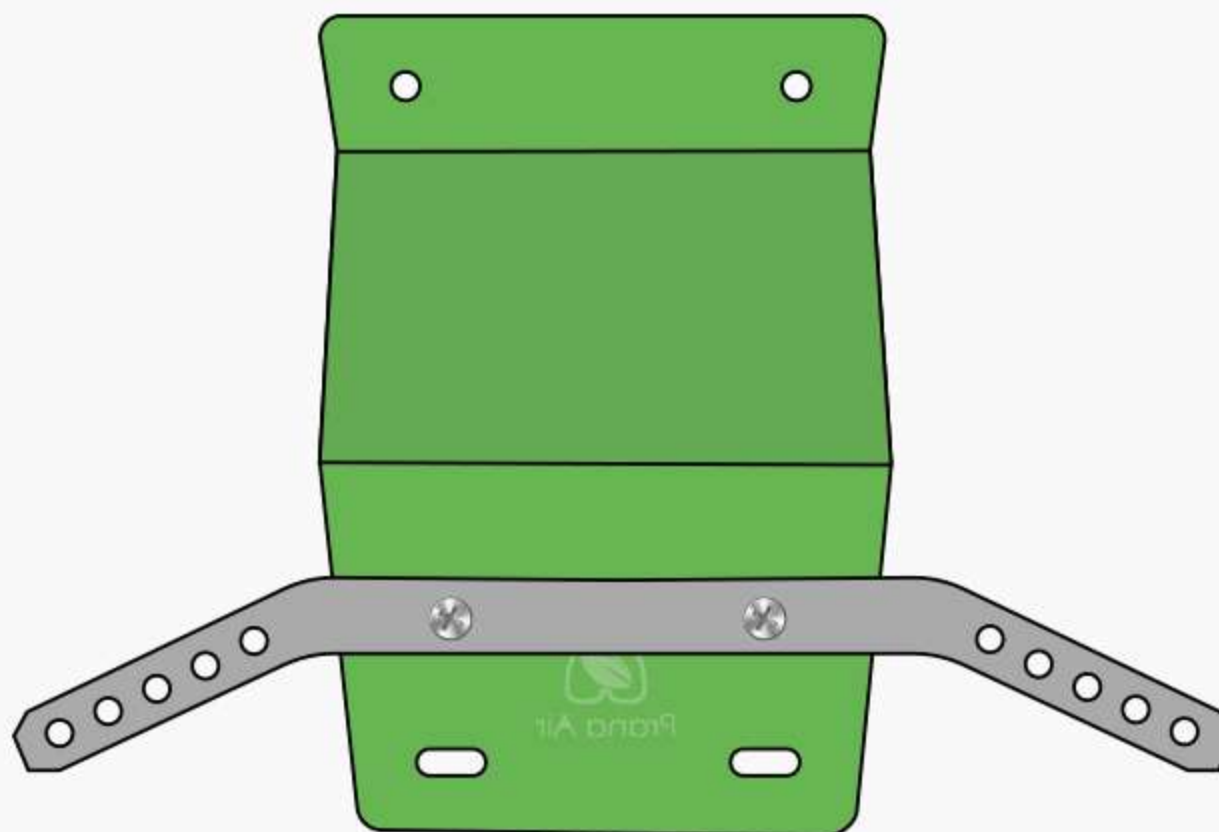
NOTE:

Ensure that the back plate is installed exactly as shown in the image provided.

2 Insert the screws *(provided in the box)* to attach the plate to the monitor. Ensure that the plate is securely placed to avoid any harm to the device.

3 Align the holes on the aluminum clamp with the holes on the plate and attach the screws to position the clamp as shown in the diagram.

4 Insert the screws to attach the clamp to the pole. Now, with the help of screws, fix the device securely at the desired location for air quality monitoring.
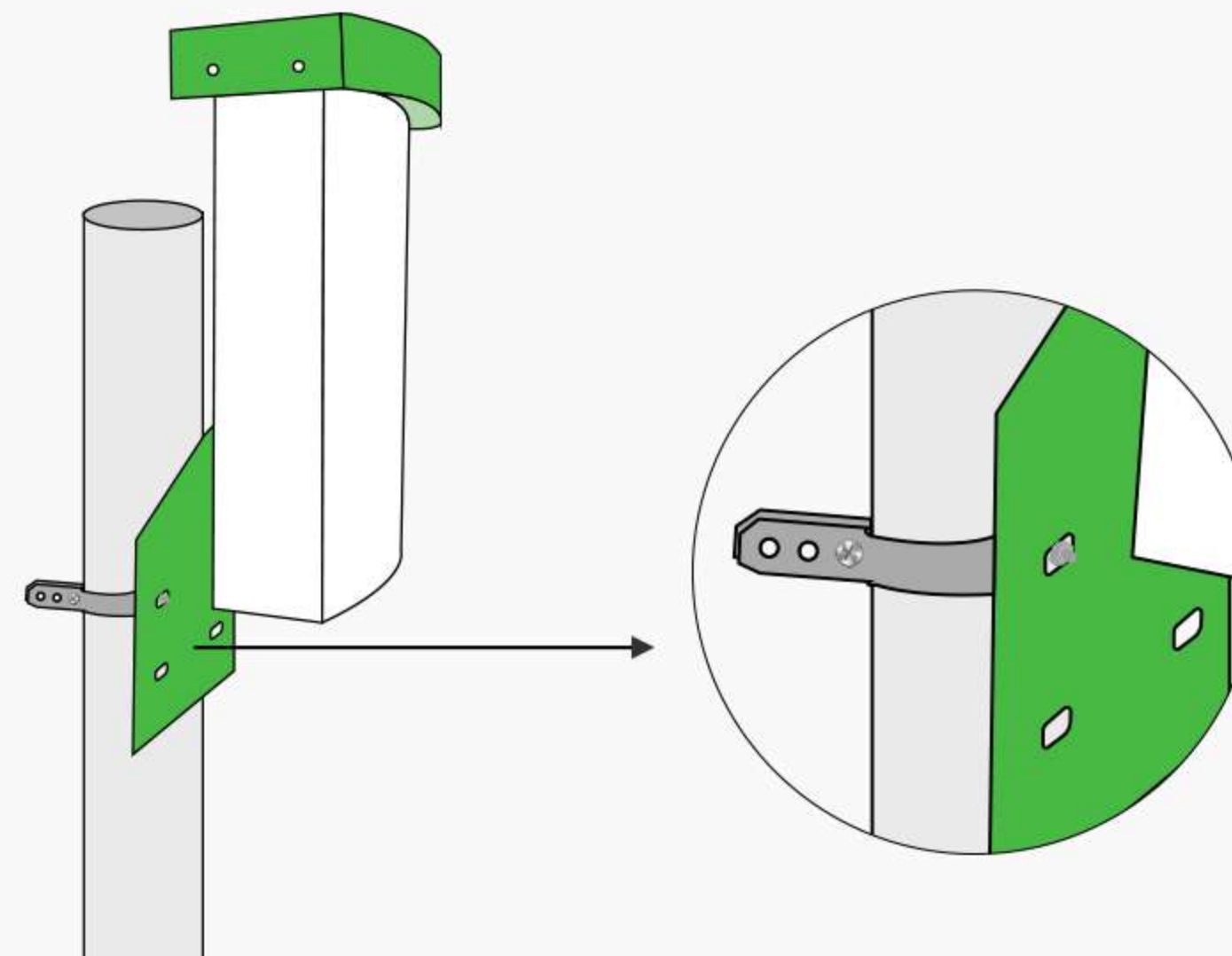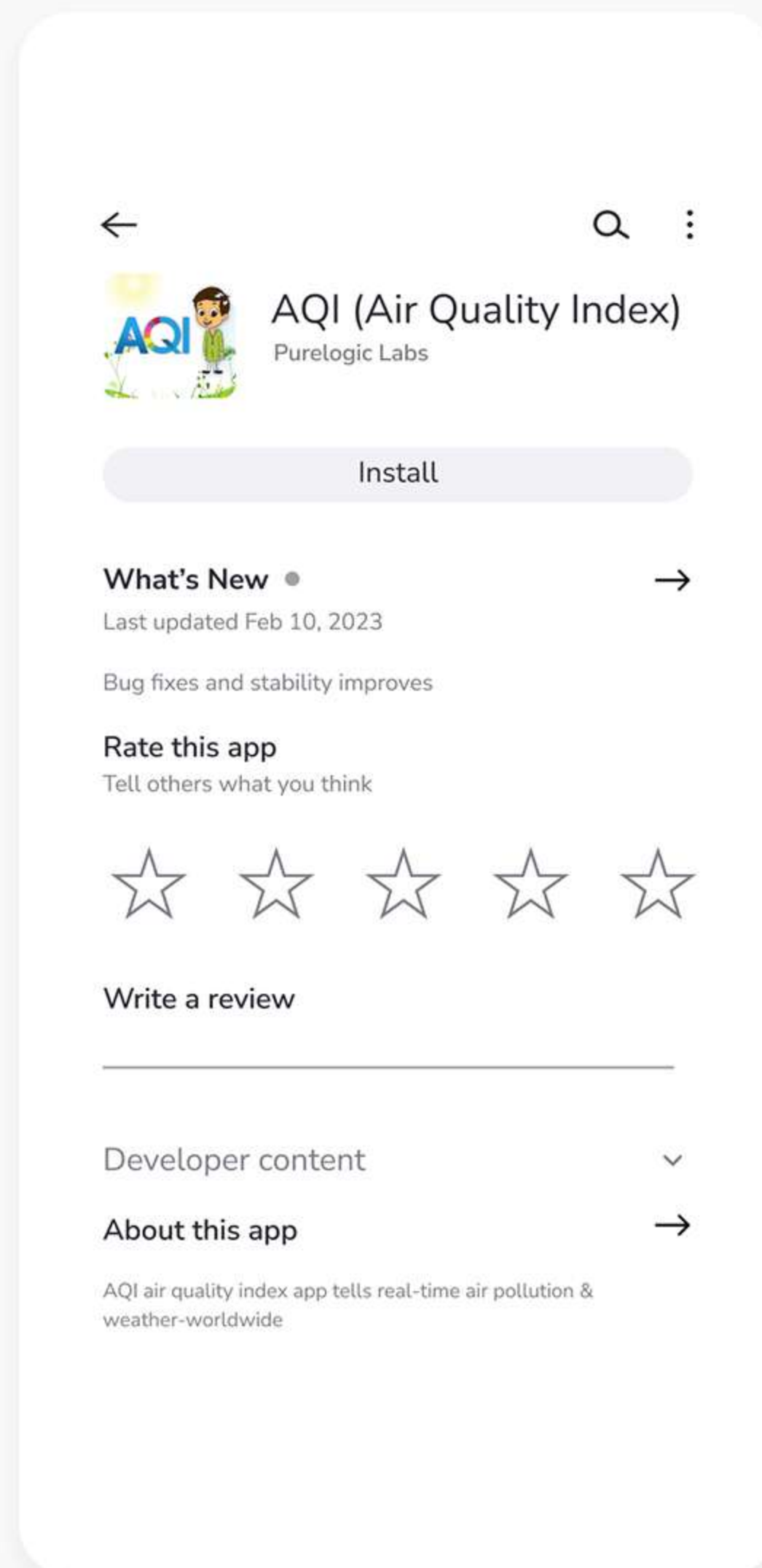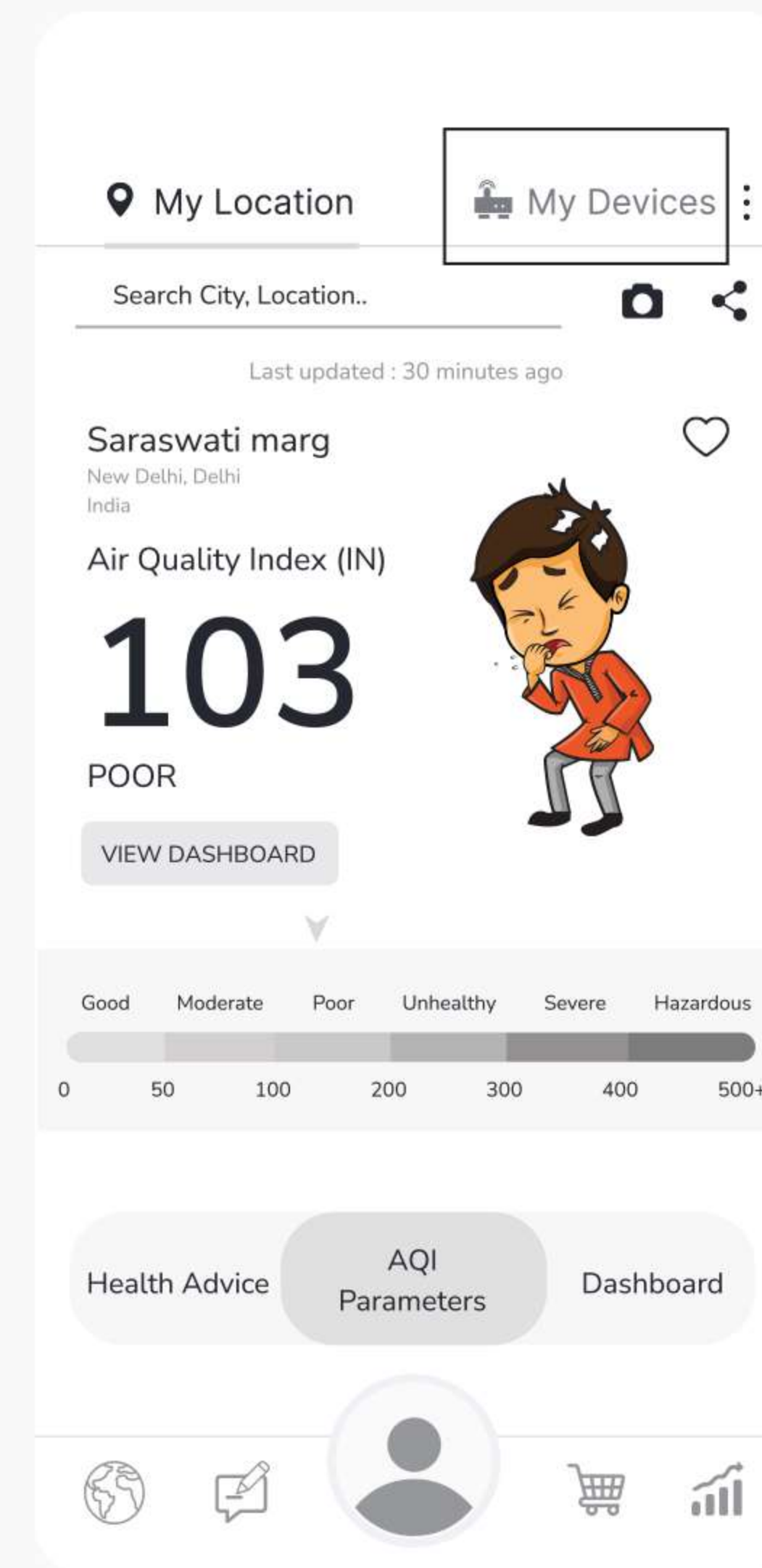
How to log in/ sign up?

To provide access control, track monitored data, personalize the experience, and facilitate communication between users and the devices.
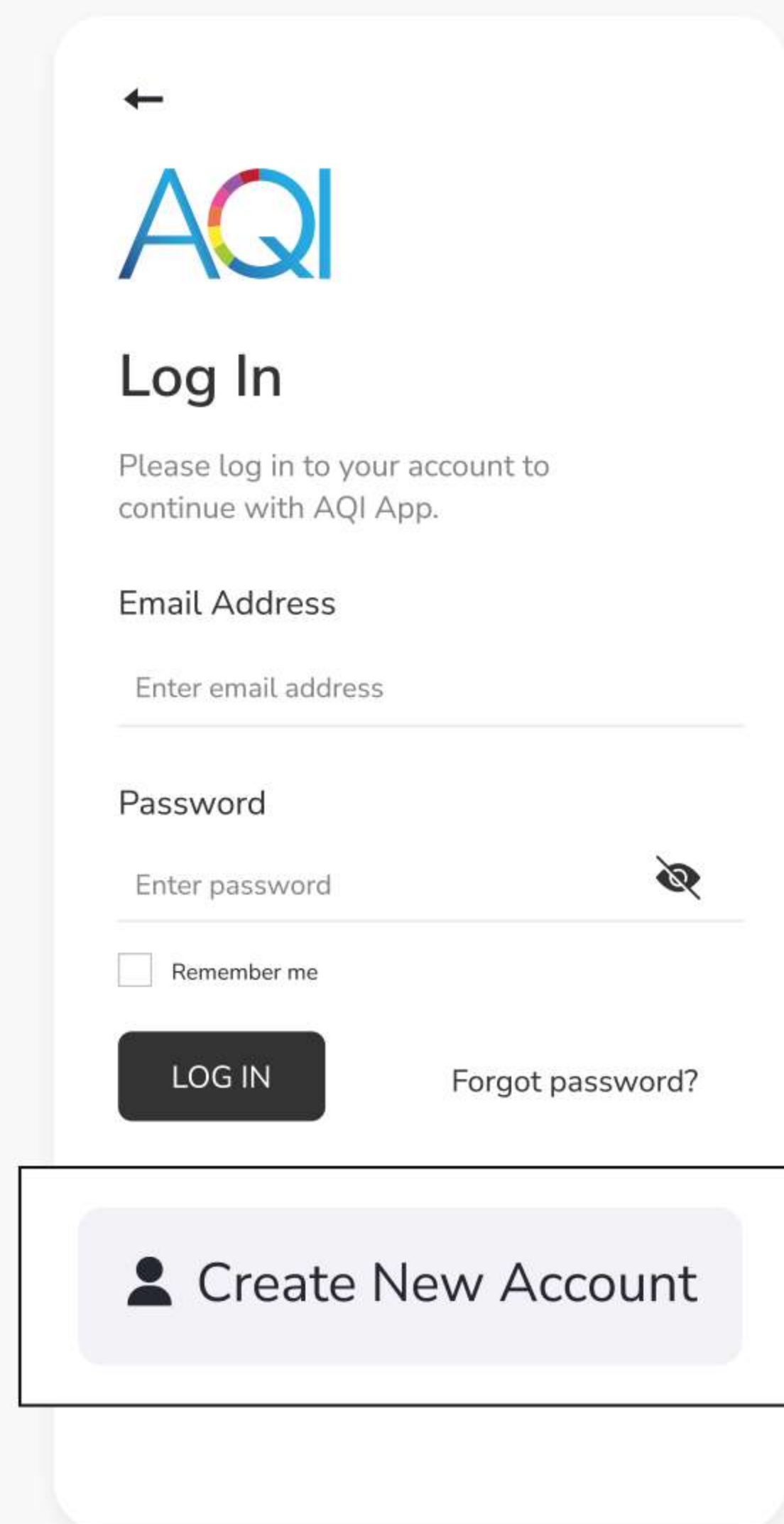
06

① Install the AQI India app on your smartphone.

② Open the app and click on **"My Devices"** from the top right corner of the screen.
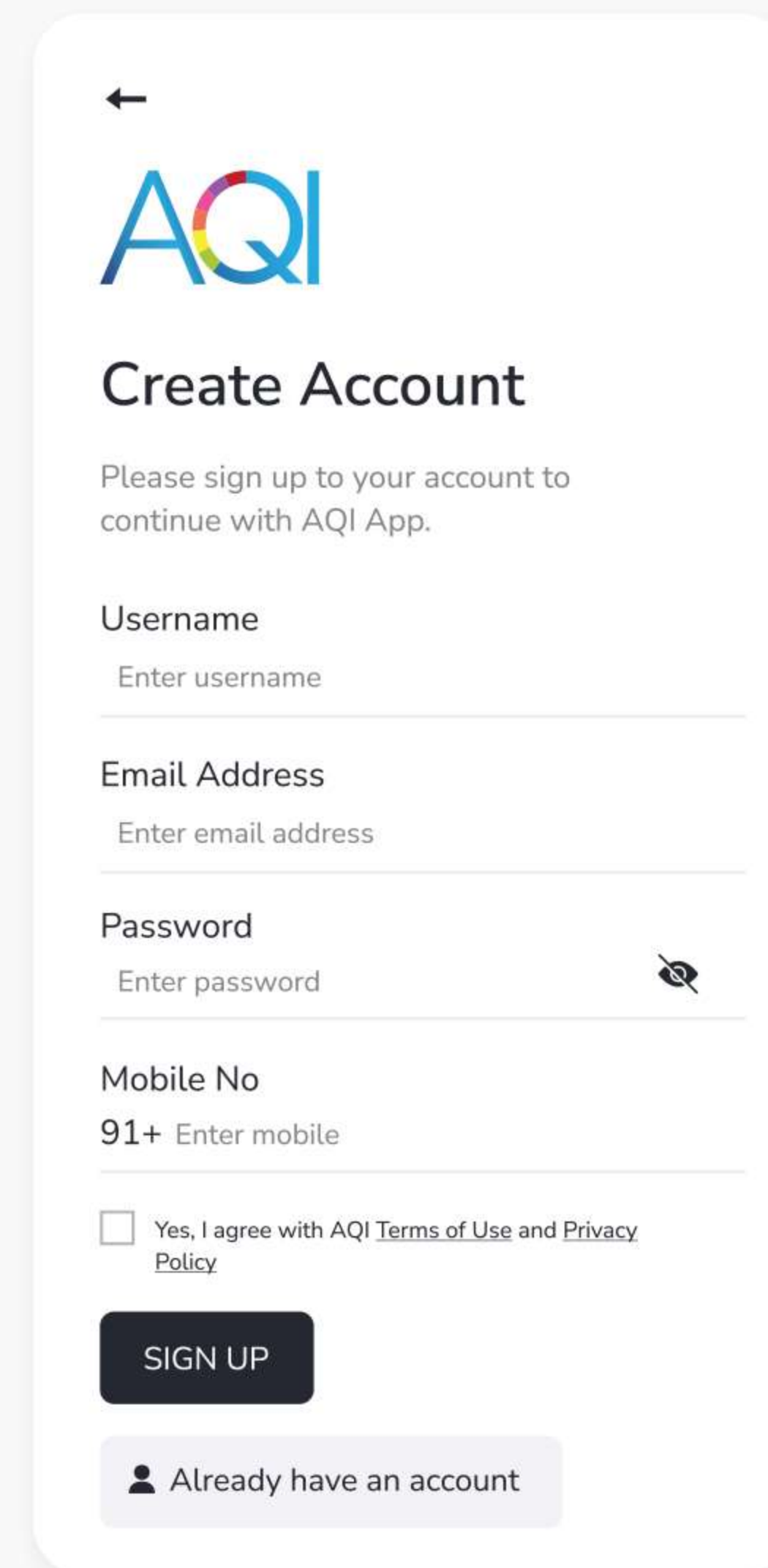

←   🔍 ⋮

AQI (Air Quality Index)
Purelogic Labs

Install

What's New ●   →
Last updated Feb 10, 2023

Bug fixes and stability improves

Rate this app
Tell others what you think

☆ ☆ ☆ ☆ ☆

Write a review

Developer content ⌄

About this app →

AQI air quality index app tells real-time air pollution &
weather-worldwide

📍 My Location   📡 My Devices   ⋮

Search City, Location..   📷 🔗

Last updated : 30 minutes ago

Saraswati marg   ♡
New Delhi, Delhi
India

Air Quality Index (IN)

103

POOR

VIEW DASHBOARD

⌄

Good	Moderate	Poor	Unhealthy	Severe	Hazardous

0   50   100   200   300   400   500+

Health Advice   AQI Parameters   Dashboard

🌐 ✎ 👤 🛒 📊

3 Click on the **"Create New Account"** button.

4 Add the necessary details. Click on the checkbox after reading all the terms and conditions and privacy policies. Then click on the **"Sign Up"** button.
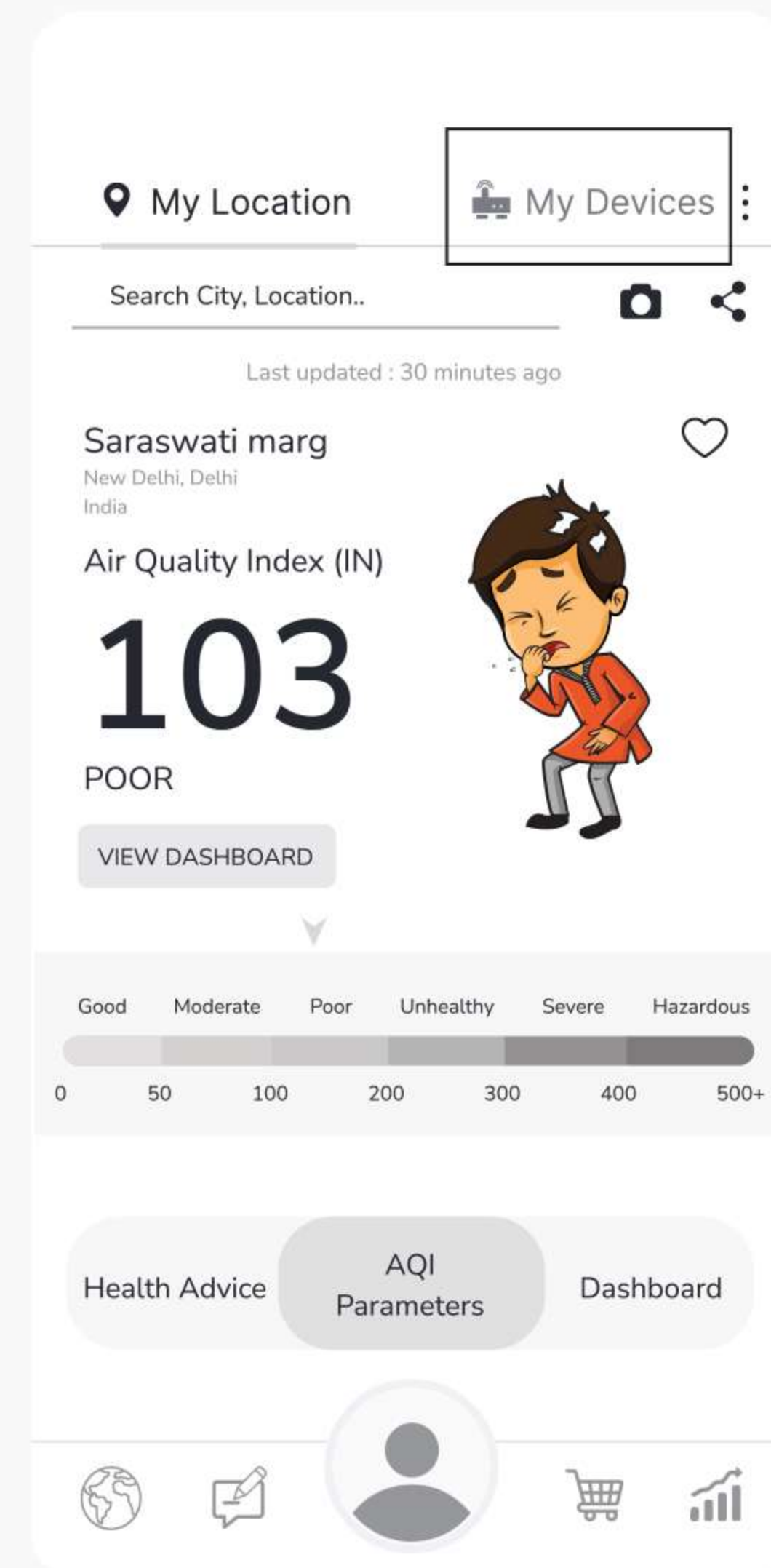
←

AQI

Log In

Please log in to your account to continue with AQI App.

Email Address

Enter email address

Password

Enter password

☐ Remember me

LOG IN   Forgot password?

👤 Create New Account

←

AQI

Create Account

Please sign up to your account to continue with AQI App.

Username

Enter username

Email Address

Enter email address

Password

Enter password

Mobile No

91+ Enter mobile

☐ Yes, I agree with AQI Terms of Use and Privacy Policy

SIGN UP

👤 Already have an account

5 Your account is created. You will be redirected to 'My Devices' section where you can add different devices.
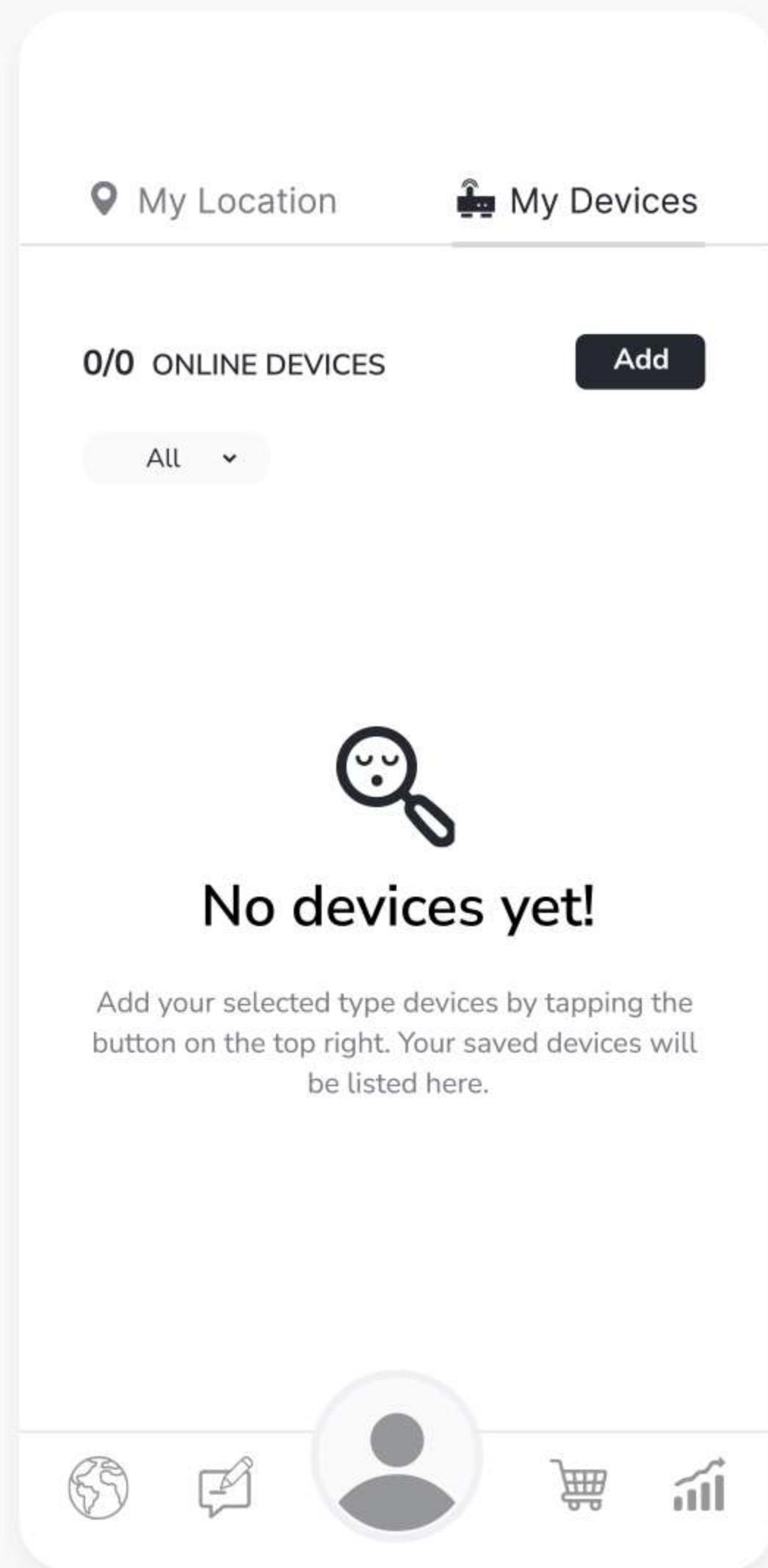
1 Open the app and click on "My Devices" from the top right corner of the screen.

📍 My Location   🖥 My Devices

0/0 ONLINE DEVICES   [Add]

All ⌄

No devices yet!

Add your selected type devices by tapping the button on the top right. Your saved devices will be listed here.

📍 My Location   🖥 My Devices   ⋮

Search City, Location..

Last updated : 30 minutes ago

Saraswati marg
New Delhi, Delhi
India

Air Quality Index (IN)

103

POOR

VIEW DASHBOARD

Good	Moderate	Poor	Unhealthy	Severe	Hazardous
0	50	100	200	300	400	500+

Health Advice   AQI Parameters   Dashboard

3 Enter your credentials and then click on the **"Log in"** button.

←

AQI

Log In

Please log in to your account to continue with AQI App.

Email Address

Enter email address

Password

Enter password 👁️‍🗨️

☐ Remember me

LOG IN   Forgot password?

👤 Create New Account

4 You have now successfully logged in to your account. You can easily add devices and check the data remotely 24*7.

📍 My Location   🖥️ My Devices

0/0 ONLINE DEVICES   Add

All ⌄

No devices yet!

Add your selected type devices by tapping the button on the top right. Your saved devices will be listed here.

🌐 🖉 👤 🛒 📈

Safety Guide

To ensure safe and proper usage of this product, please refer to the following safety guide before operating the device.

1. **Read the manual carefully:** Read and follow the user manual before using the device.

2. The housing on the device is weatherproof but submerging the device in water should be avoided to prevent corrosion or short circuit in the PCB.

3. **Precautions for potential hazards:** Take appropriate precautions if you are aware of any potential hazards or risks related to the specific environment you are monitoring.

4. **Preventive measures:** If the gadget detects high levels of pollutants or other potentially hazardous substances, take precautionary measures such as opening windows or leaving the area.

5. **Accessories:** The user has the option to use an alternative adapter (with the same power rating) and USB cable. Use other accessories such as screws and wall mount provided by Prana Air only.

NOTE:

The user can also opt for an alternative 5V/2.5A adapter.

Safety and maintenance

The safety and maintenance section of this product manual provides important information on how to use and maintain the device in a safe and reliable manner.

1. Having a comprehensive understanding of the safety and maintenance instructions for the device can enable you to use the device more safely and efficiently, and help to extend its lifespan as much as possible.

2. Make sure to turn on the device properly and assemble its accessories correctly.

3. The adapter is not waterproof. Keep it in an enclosed waterproof enclosure to prevent corrosion or shocks.

4. If the air quality monitor is not functioning properly, do not attempt to repair it yourself. Contact us to diagnose and repair any issues.

5. Store the air quality monitor in a cool, dry place when not in use. This will help increase the shelf life of the device.

6. Do not drop, shake, or knock the device. Violent usage may damage the internal circuitry.

7. Do not paint the device with paints or other chemicals. It may affect the accuracy and normal operation of the device.

Service Guidelines

This section outlines the recommended maintenance procedures and service requirements for ensuring the optimal performance and longevity of the device.

09

A. Warranty Terms

1. The device comes with a 1-year warranty against manufacturing defects.

2. A valid proof of purchase is required to be eligible for repairs or replacements.

3. Warranty will be void in case of physical damage.

B. Sending and Retrieving the Device for Repair

1. The customer must provide the necessary information, such as name, contact number, and fault description, to complete the repair work order.

2. If payment is made by cheque, the device can only be retrieved after the cheque has cleared.

C. Warranty Description

1. The warranty will not be covered in the following scenarios:

    1.1. Warranty period has expired.

    1.2. No valid proof of purchase is provided.

    1.3. The product on the valid proof of purchase is different from the actual product or the proof of purchase has been altered.

    1.4. The device is damaged due to improper usage or maintenance.

    1.5. The device has been repaired or disassembled by an unauthorized person.

    1.6. Damages due to force majeure.

2. Both national and international services can be availed only at Prana Air's office.

3. All replaced parts, components, and accessories during warranty services will be kept by the Prana Air service center.

Prana Air