AirCheq

User Manual



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AirTeq.eu
Online monitoring

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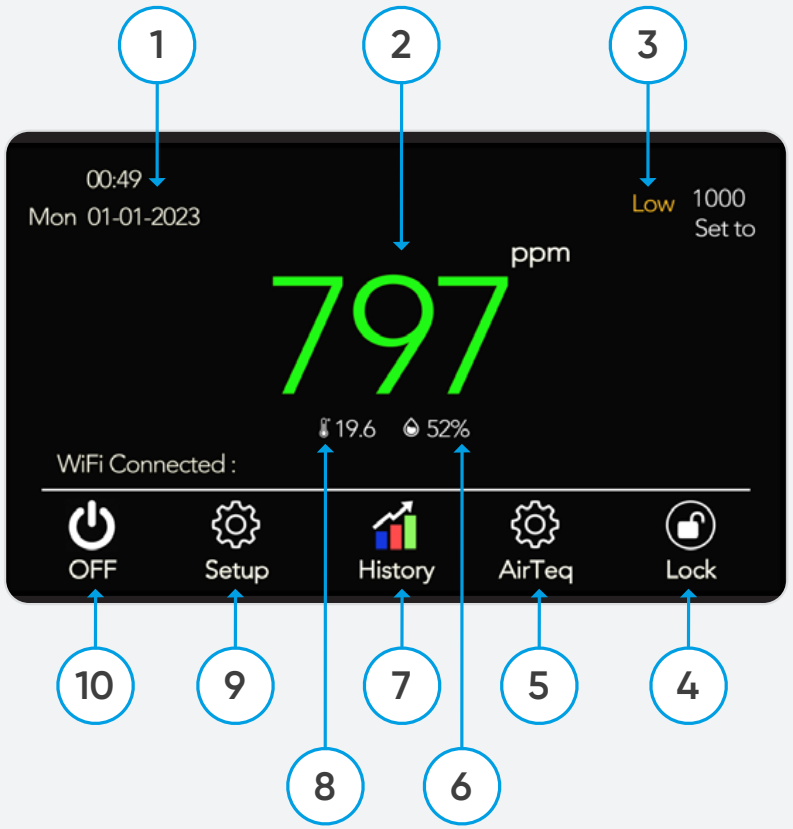
Home screen



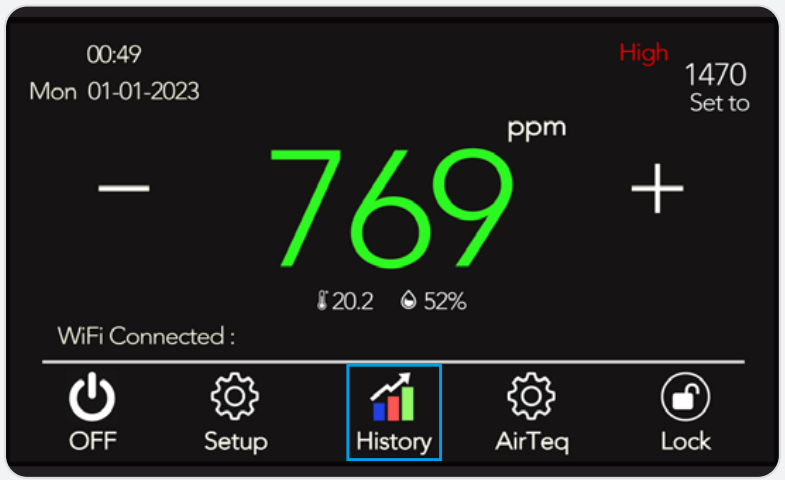
1.	Date and time
2.	CO2 concentration
3.	Adjust alarm values
4.	Lock on/off
5.	AirTeq settings
6.	Humidity
7.	History
8.	Temperature
9.	Settings
10.	On/off

Standby screen

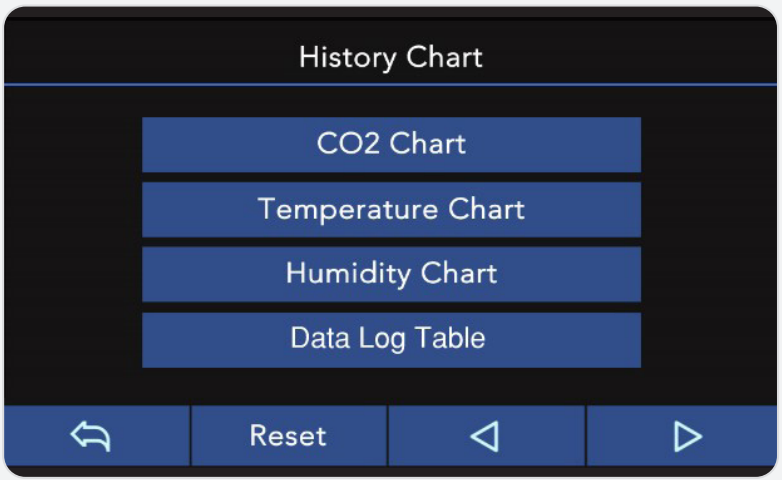


1.	Switch between standby screens
2.	Go to settings

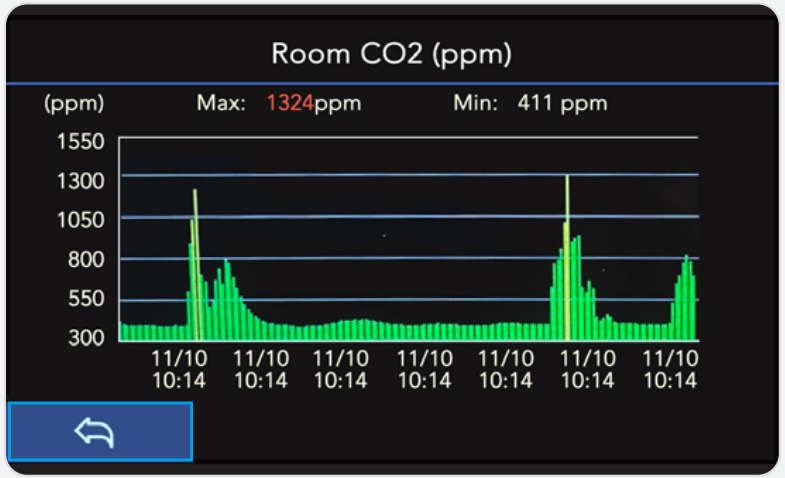
History



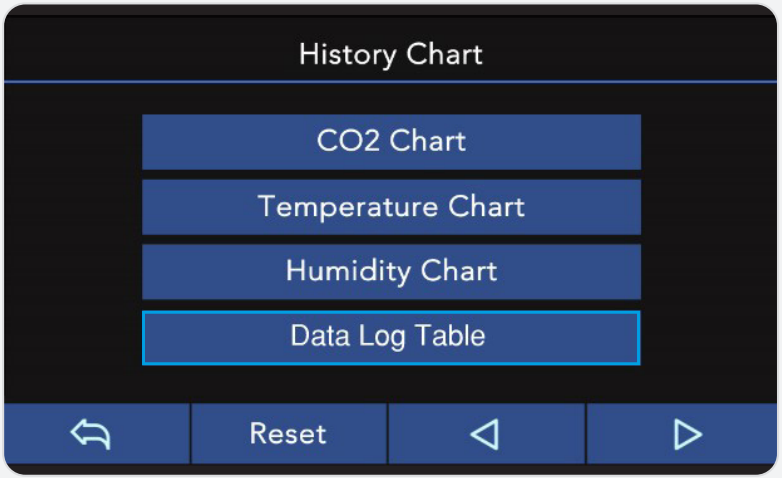
Tap on “History” to view the charts.



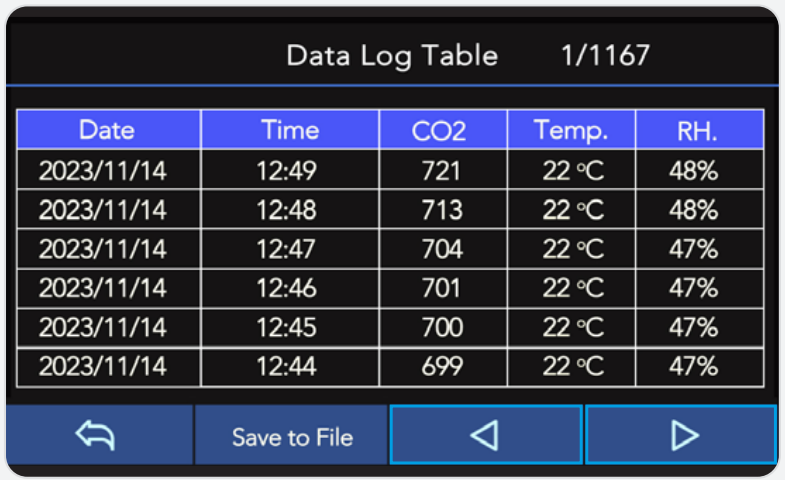
Select the parameter you wish to display.



Tap the arrow to return to the previous screen.



Tap on “Data log table” to open the data log.



Use the arrows to navigate.

When the device is connected to a PC, you can export the data as a text file by clicking the "Save to file" button.



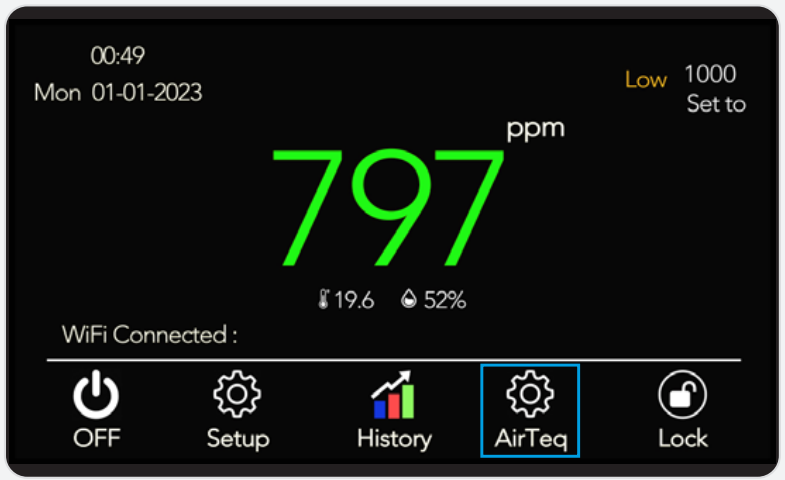
Tap on "Reset" to clear the history.

All chart and table data will be deleted.

If the device is connected to AirCheq, all data will remain available online.

Settings

AirTeq settings

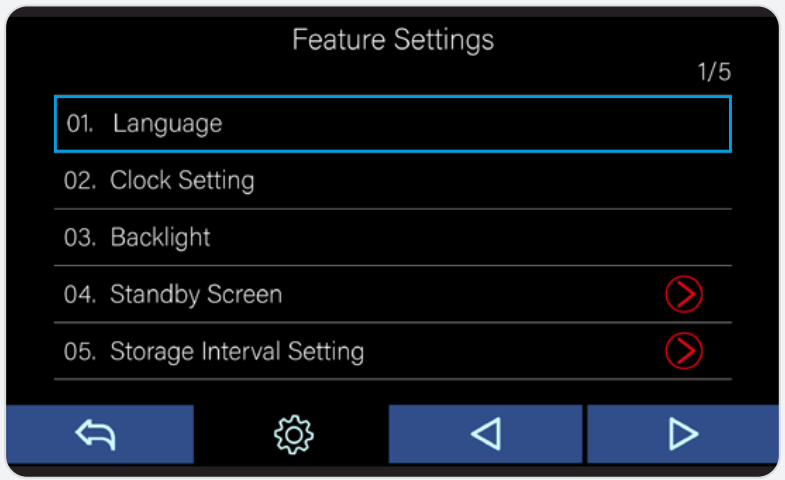


Tap on “AirTeq”.



Setup sensor - Configure the sensor
Connect sensor - Information about AirCheq
Network setting - Connect to Wi-Fi

Language



Open the settings.

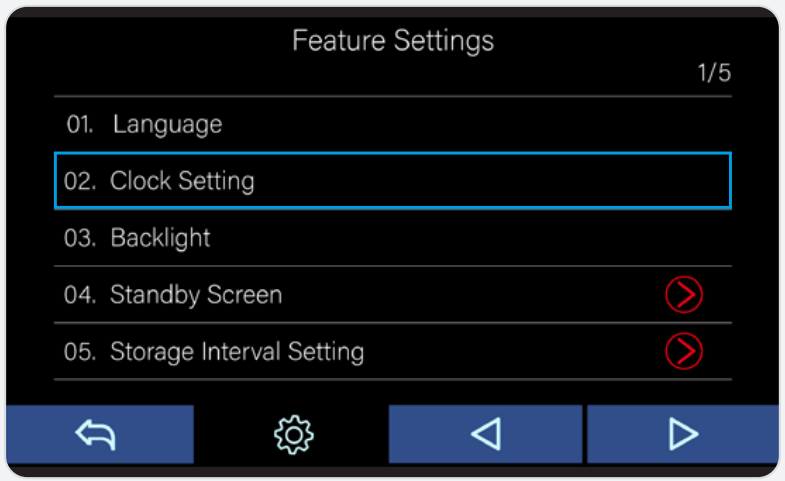
Tap on “01. Language”.



Select your language.

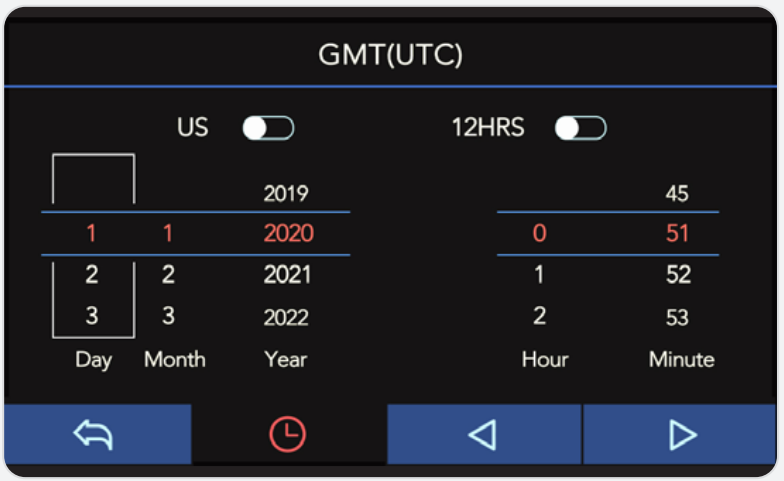
Tap the “Back” button.

Date & time



Open the settings.

Tap on “02. Clock setting”.

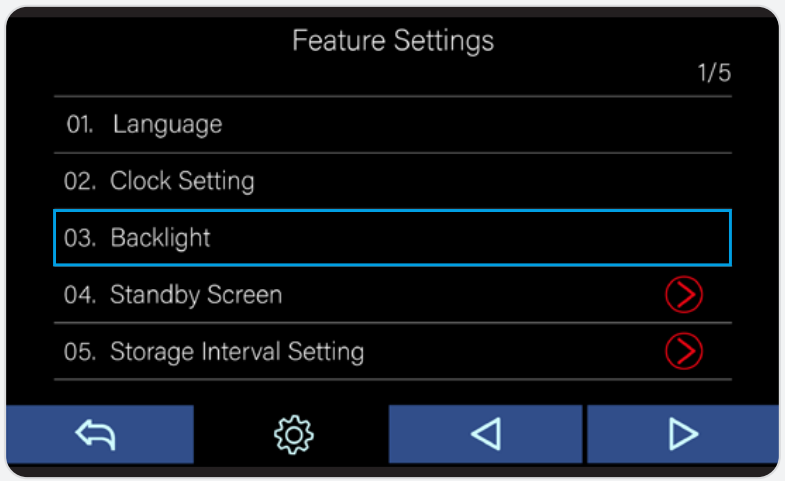


Adjust the date and time.

You can enable or disable US time and the 12-hour clock format.

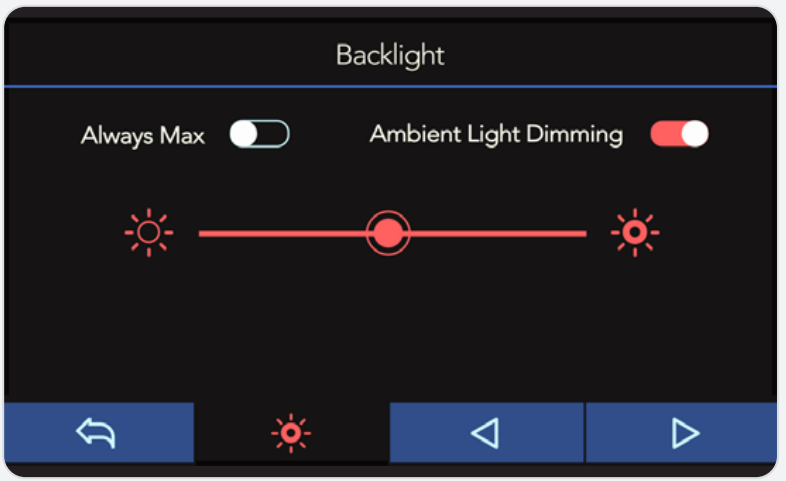
Tap the “Back” button to save.

Screen brightness



Open the settings.

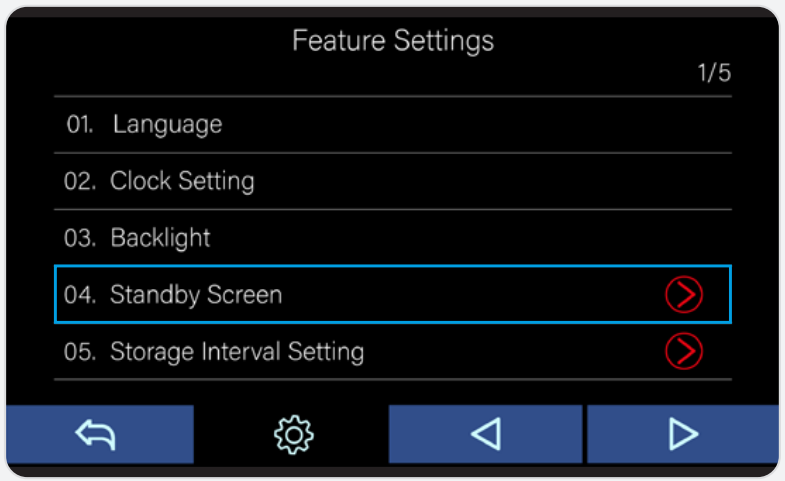
Tap on “03. Backlight”.



Adjust the brightness using the arrows.

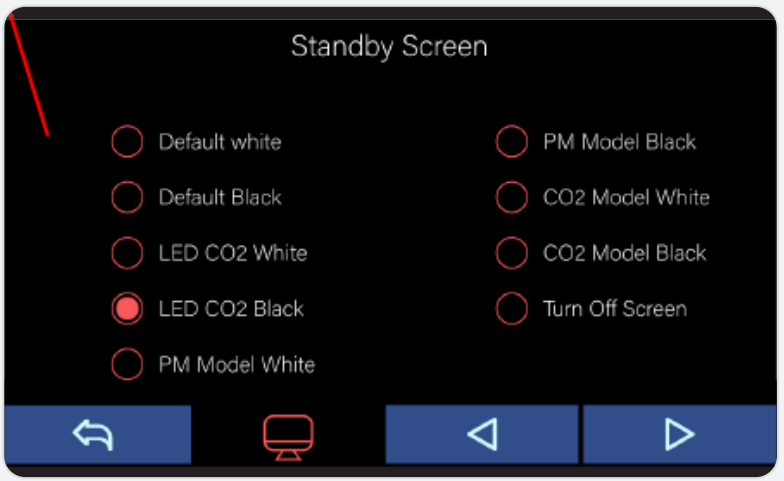
When you enable “Adjust to ambient light”, the device automatically determines the optimal brightness.

Standby screen



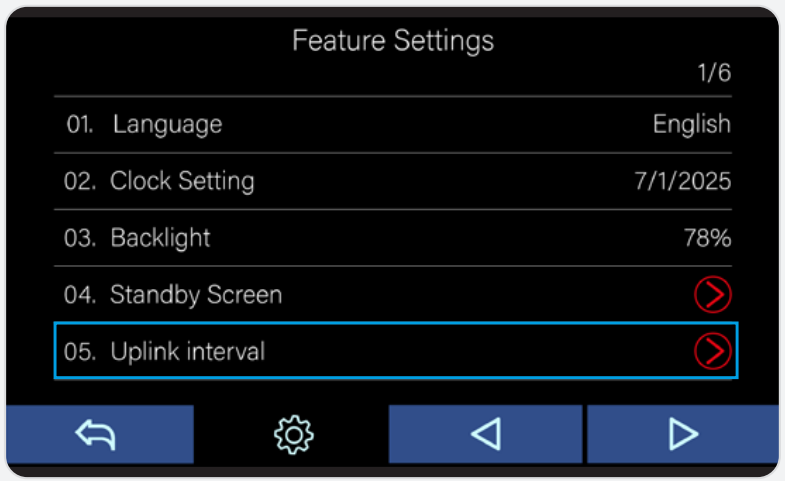
Open the settings.

Tap on “04. Standby screen”.



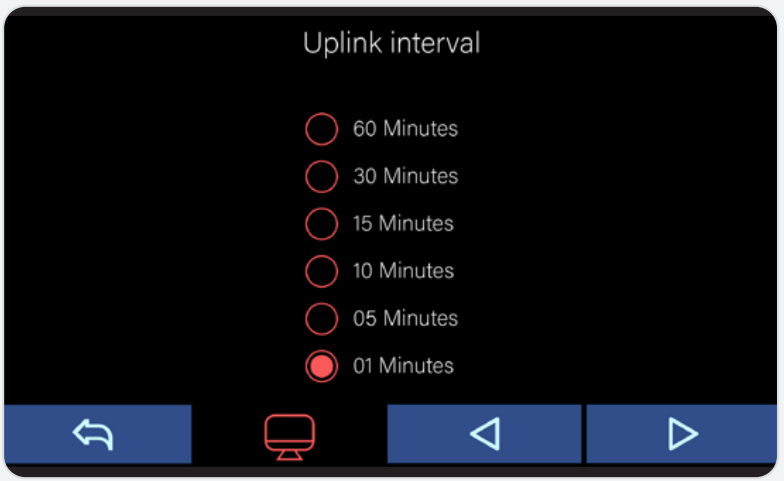
Select the desired standby screen.

Uplink interval



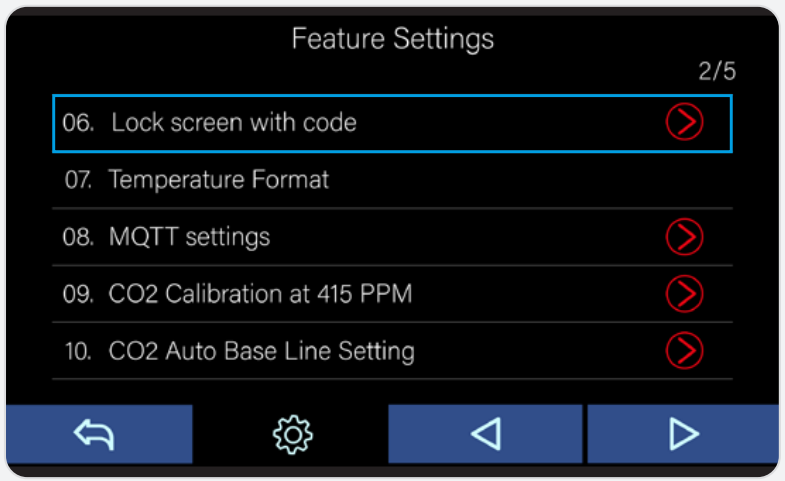
Open the settings.

Tap on “05. Uplink interval”.



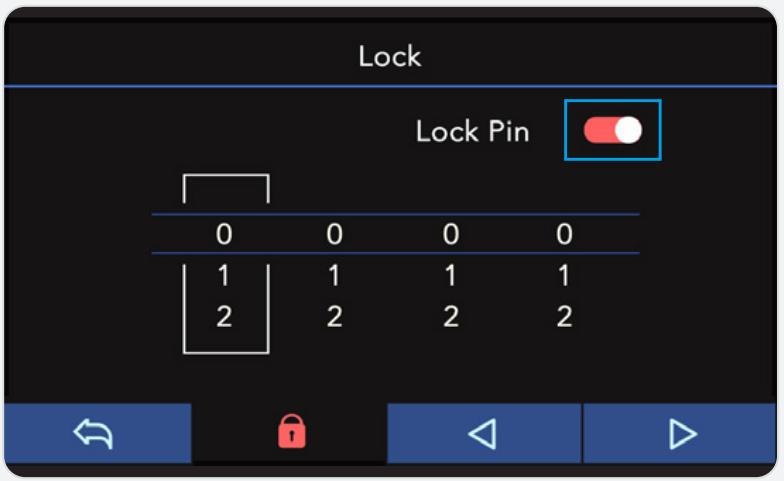
Select the desired time interval for internal data storage.

Lock



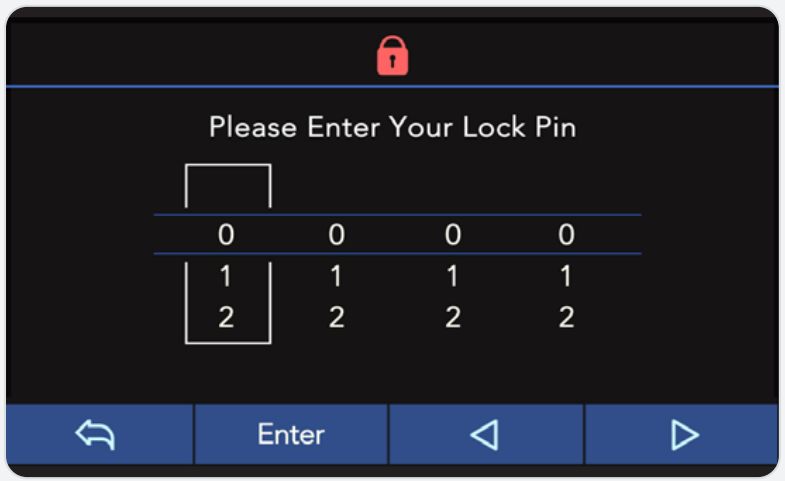
Open the settings.

Tap on “06. Lock screen with code”.



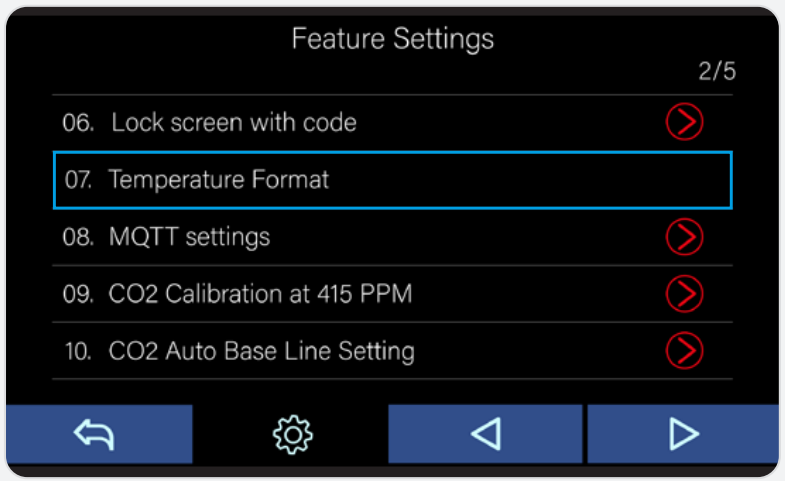
Enable or disable the lock.

Use the arrows to set the code.



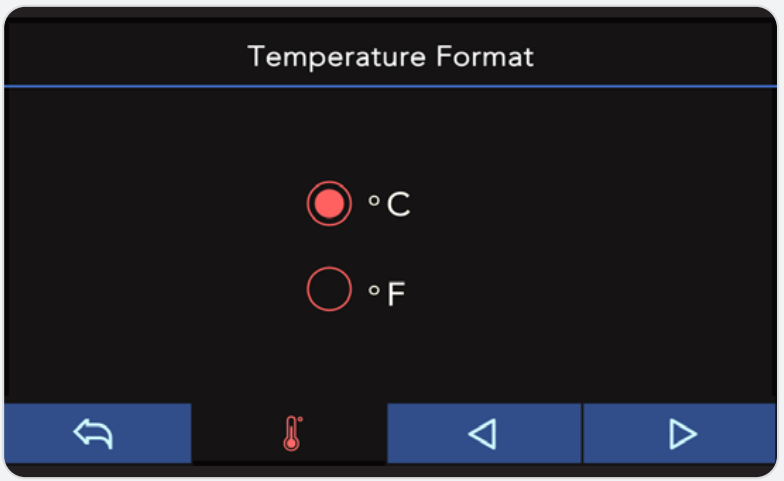
When the lock is enabled, you must enter the PIN code before using the device.

Temperature format



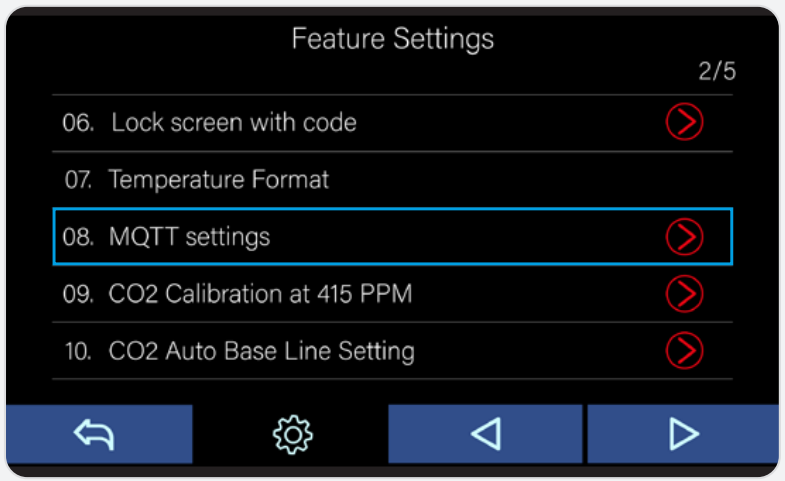
Open the settings.

Tap on “07. Temperature format”.



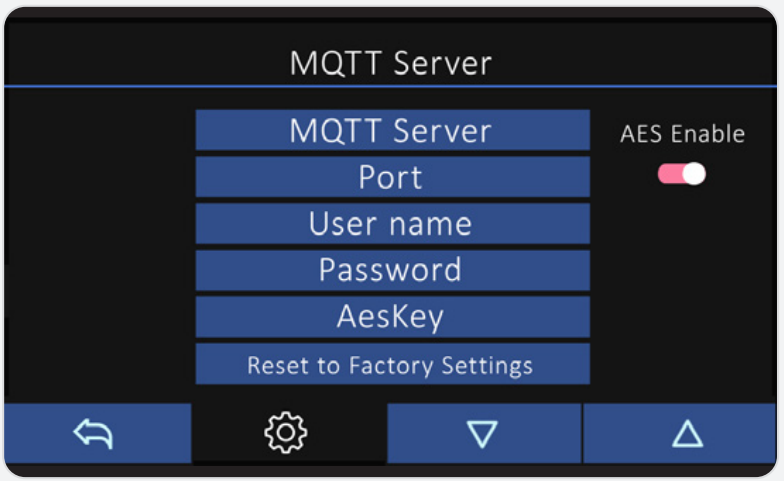
Select the desired unit.

MQTT settings



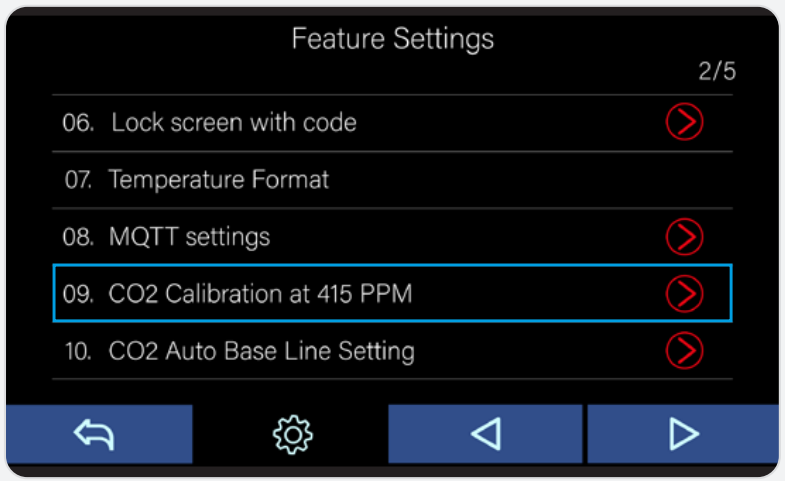
Open the settings.

Tap on “08. MQTT settings”.



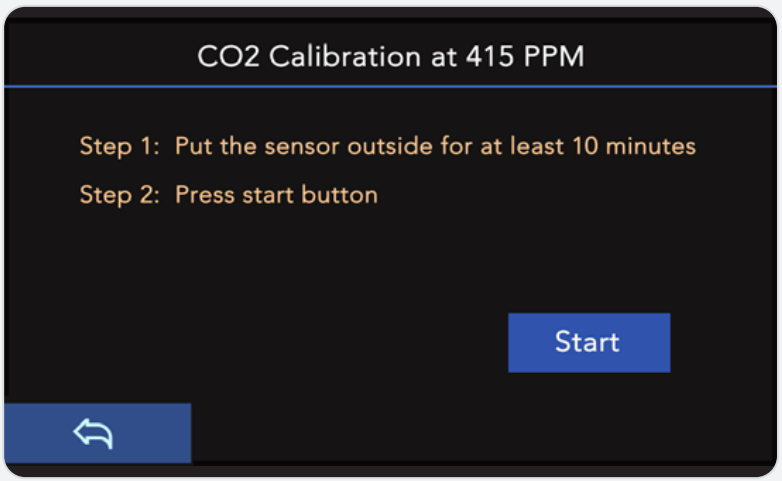
Tap the desired setting to view or modify it.

CO2 calibration at 415 ppm



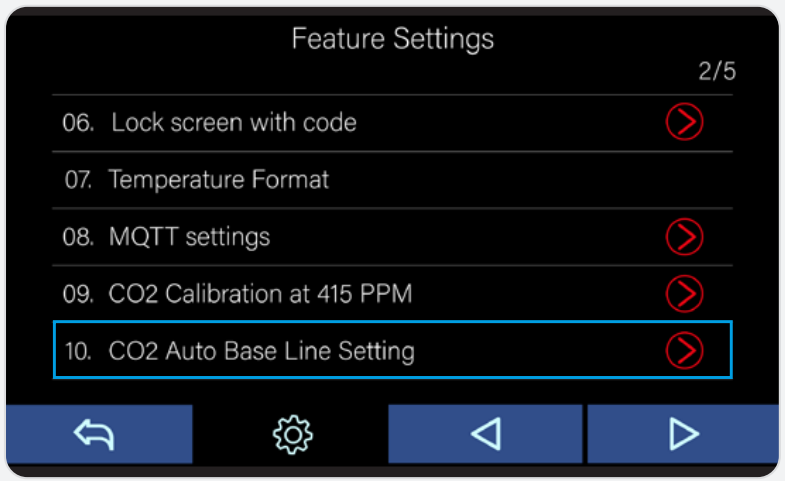
Open the settings.

Tap on “09. CO2 calibration at 415 ppm”.



Follow the instructions and press “Start”.

CO2 auto base line setting



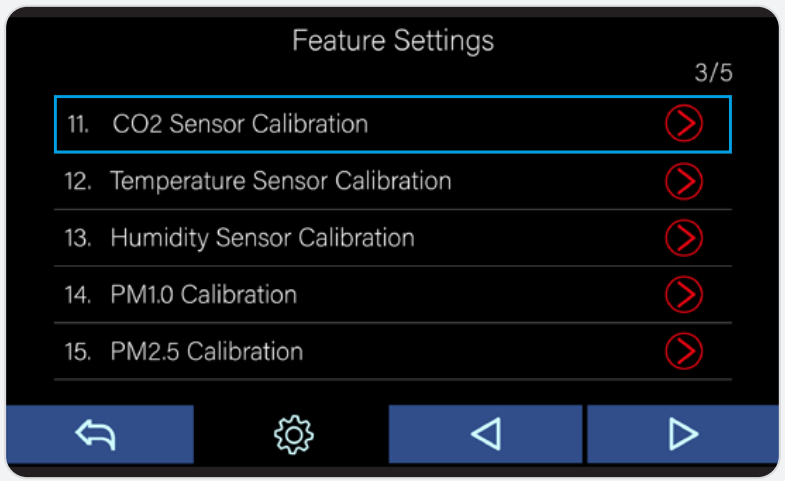
Open the settings.

Tap on “10. CO2 auto base line setting”.



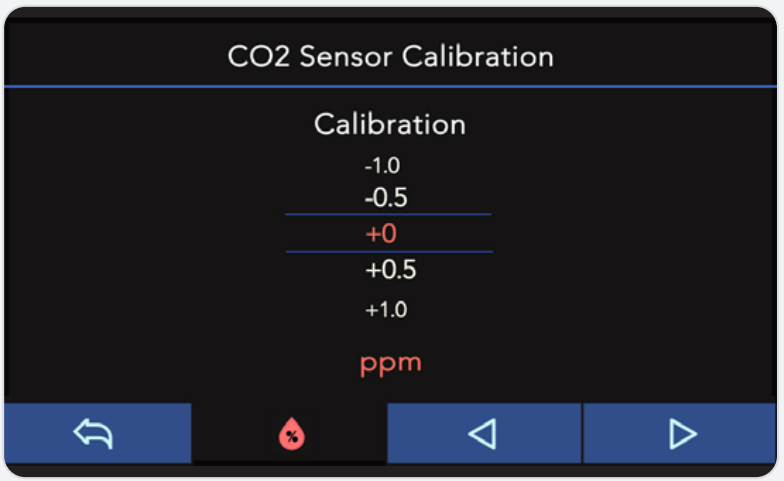
When enabled, the sensor will automatically calibrate itself based on the lowest average values measured during the past two weeks.

CO2 sensor calibration



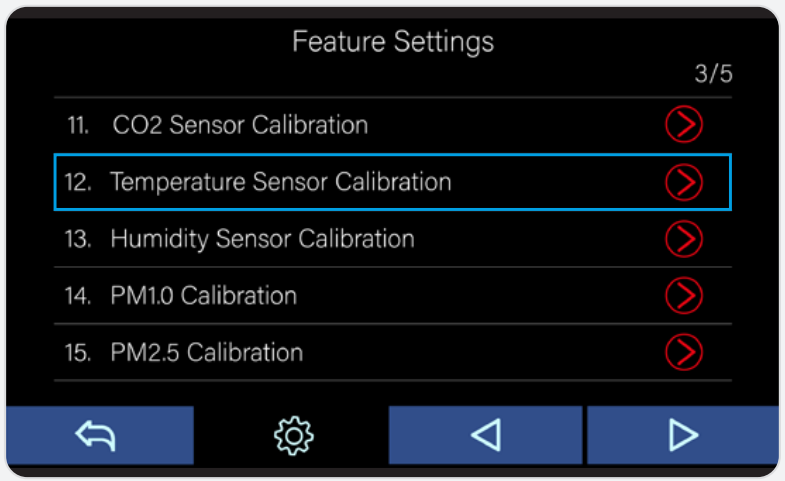
Open the settings.

Tap on “11. CO2 sensor calibration”.



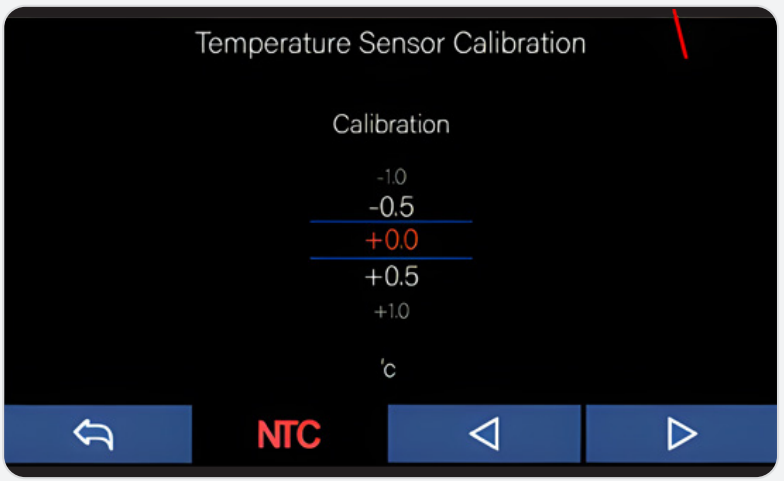
Use the arrows to adjust the calibration manually.

Temperature sensor calibration



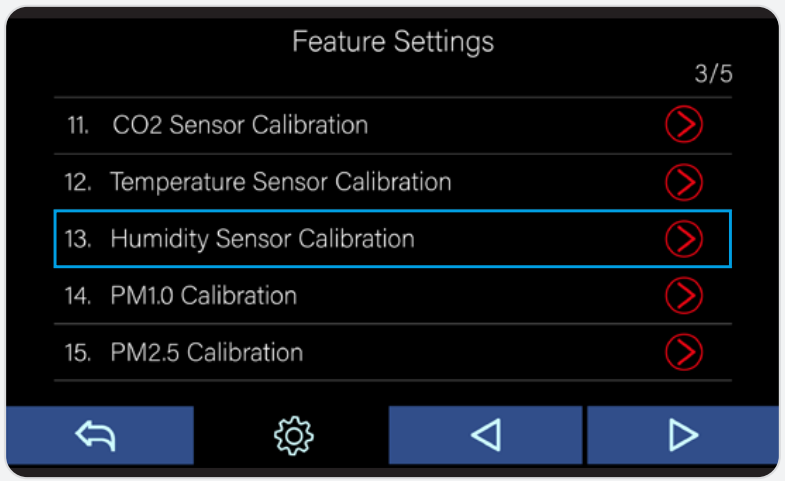
Open the settings.

Tap on “12. Temperature sensor calibration”.



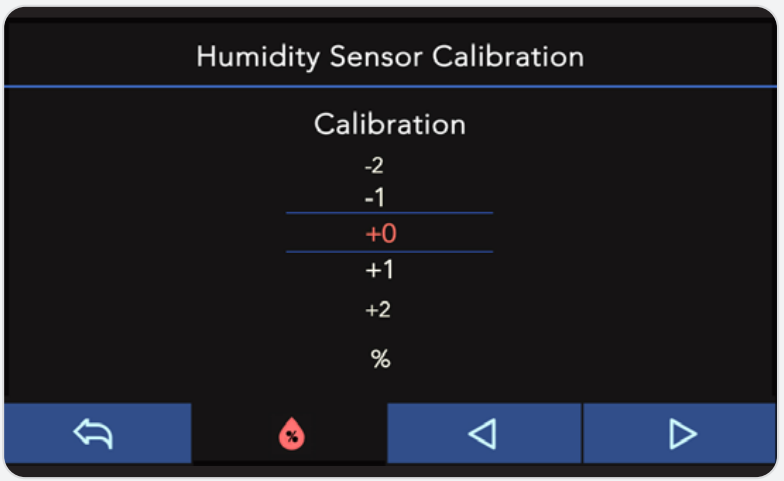
Use the arrows to adjust the calibration manually.

Humidity sensor calibration



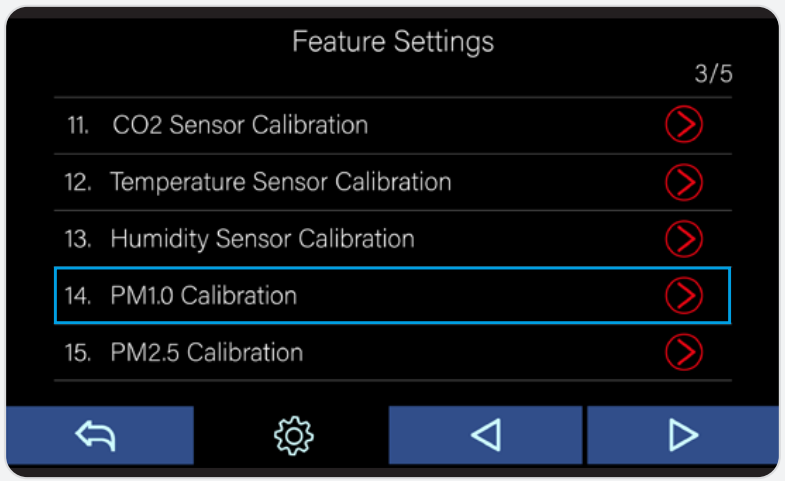
Open the settings.

Tap on “13. Humidity sensor calibration”.



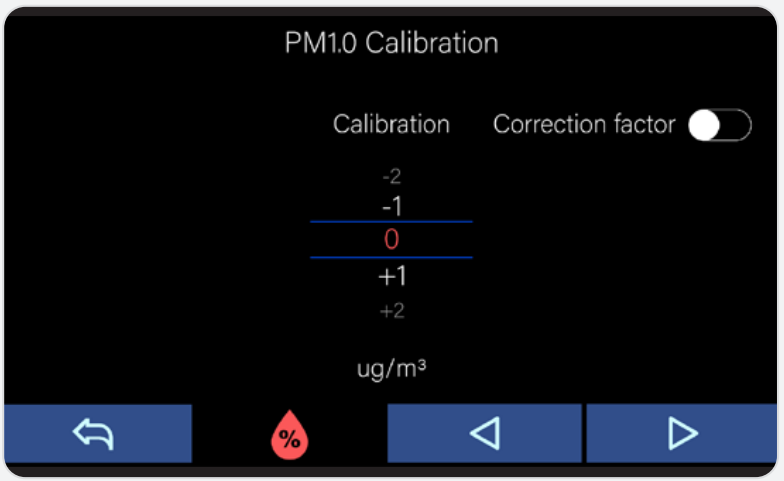
Use the arrows to adjust the calibration manually.

PM1.0 calibration



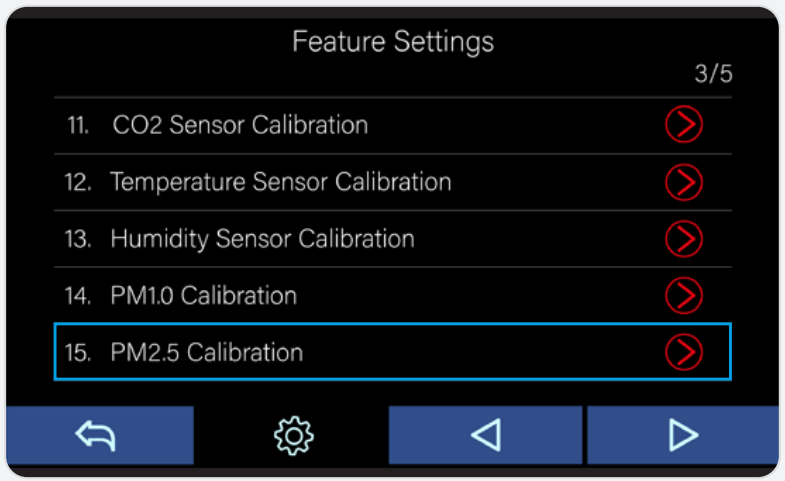
Open the settings.

Tap on “14. PM1.0 calibration”.



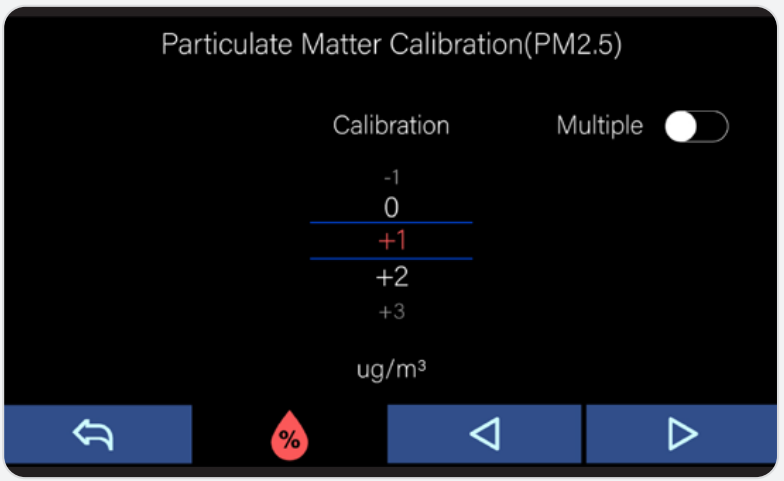
Use the arrows to adjust the calibration manually.

PM2.5 calibration



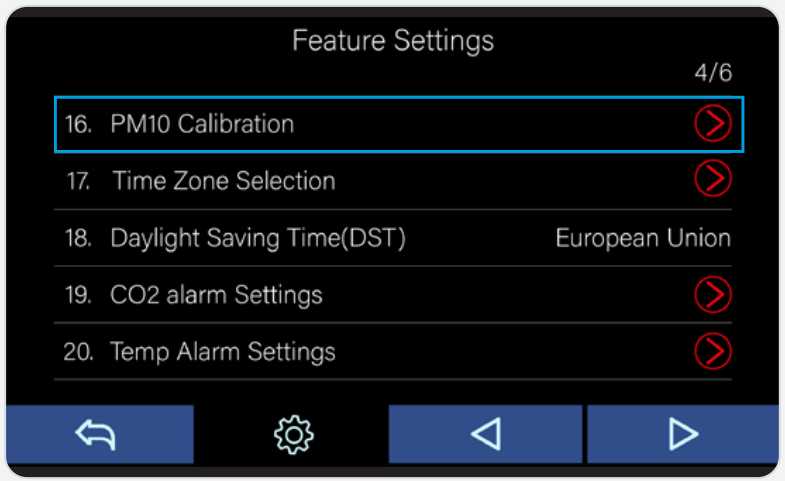
Open the settings.

Tap on “15. PM2.5 calibration”.



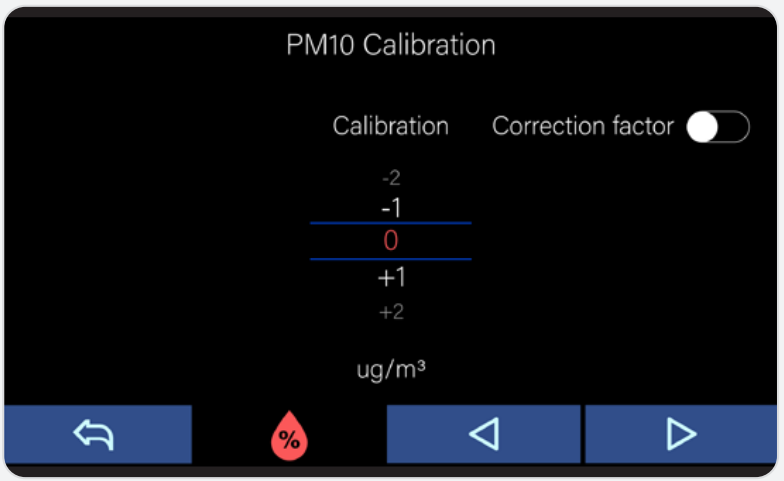
Use the arrows to adjust the calibration manually.

PM10 calibration



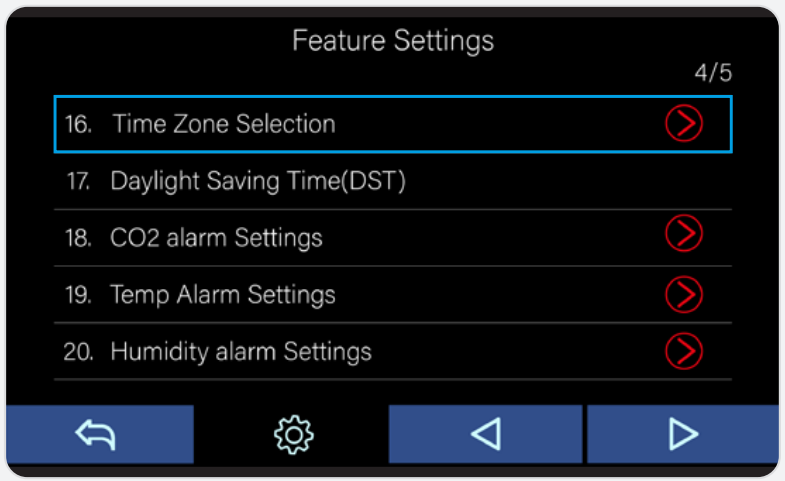
Open the settings.

Tap on “16. PM10 calibration”.



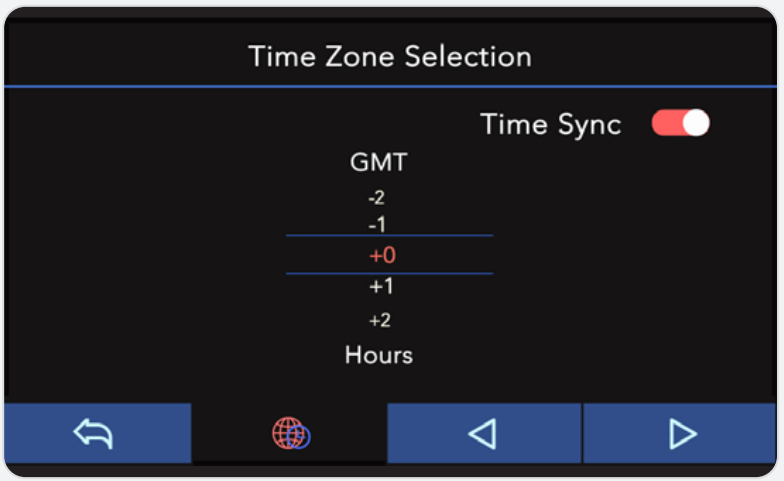
Use the arrows to adjust the calibration manually.

Time zone selection



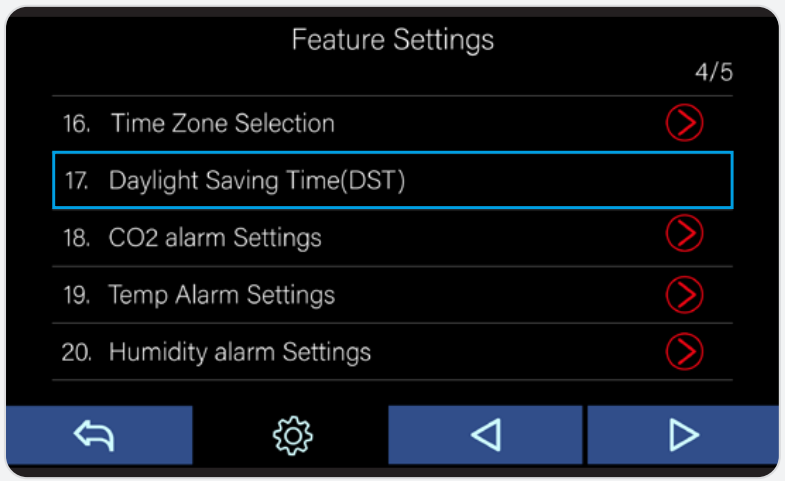
Open the settings.

Tap on “19. Time zone selection”.



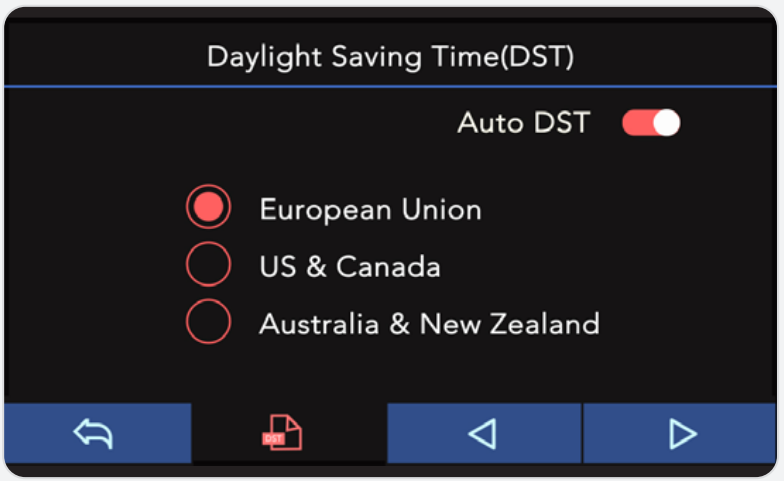
“Time Sync” automatically adjusts the date and time according to your Wi-Fi network’s time server (the sensor must be connected to Wi-Fi. When time synchronization is disabled, manual changes can be made.

Daylight saving time (DST)



Open the settings.

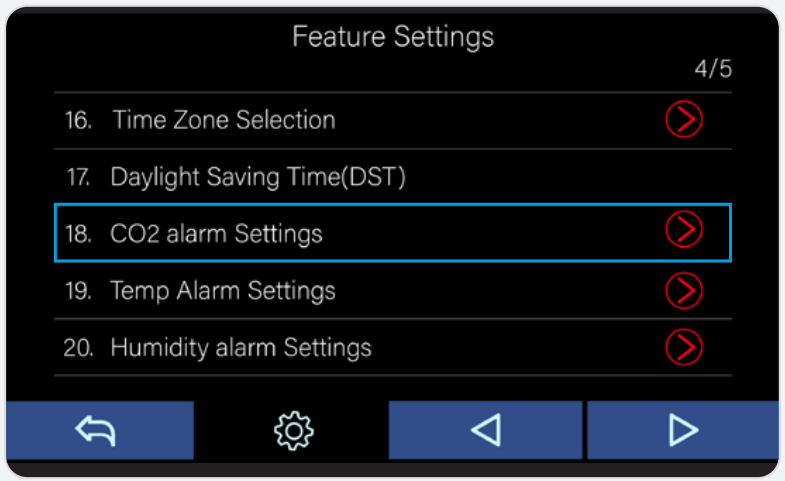
Tap on “20. Daylight saving time (DST)”.



Select your region.

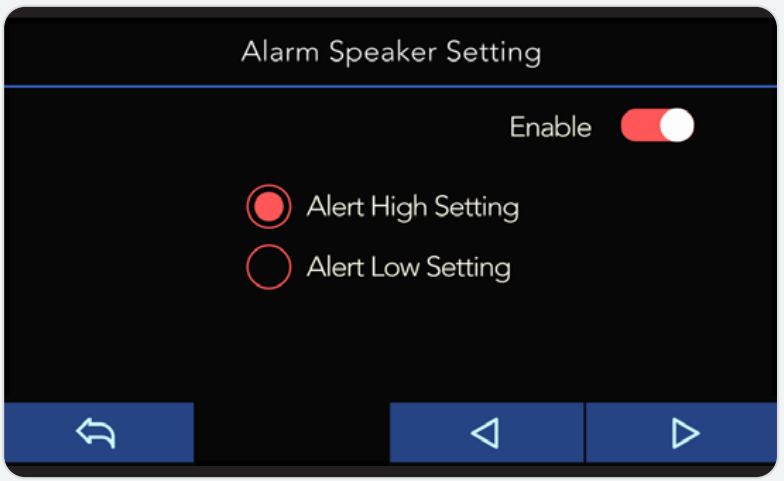
Use “Auto-DST” to automatically switch between summer and winter time. This setting does not work when Time Sync is enabled.

CO2 alarm settings



Open the settings.

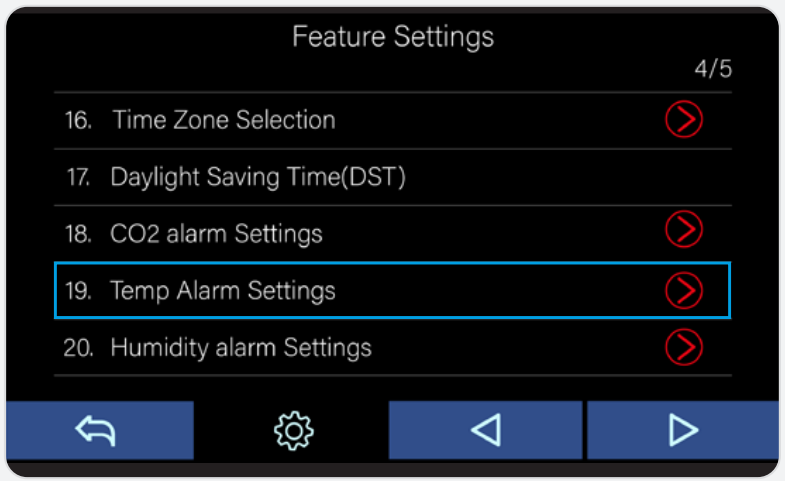
Tap on “21. CO2 alarm settings”.



Enable or disable the alarm.

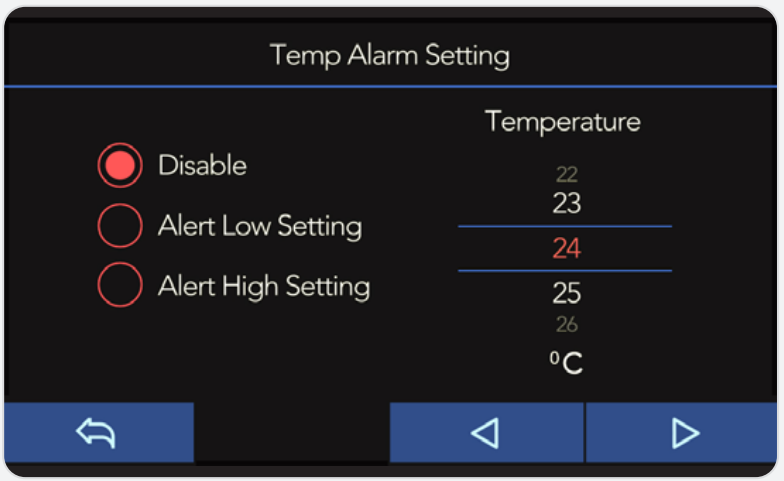
Select whether you want a high or low alarm, and at which concentration the device should trigger.

Temperature alarm settings



Open the settings.

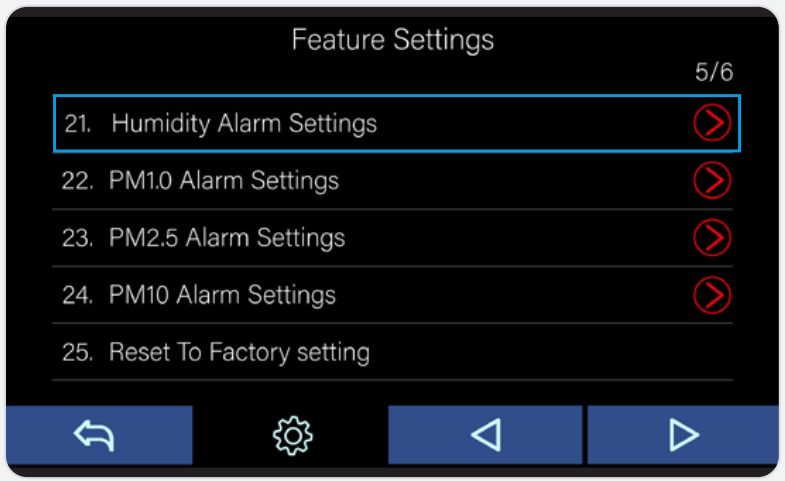
Tap on “22. Temp alarm settings”.



Enable or disable the alarm.

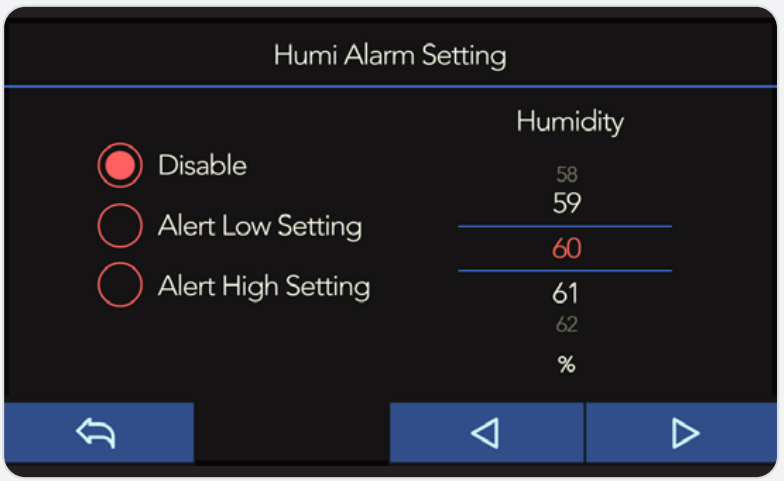
Select whether you want a high or low alarm, and at which temperature the device should trigger.

Humidity alarm settings



Open the settings.

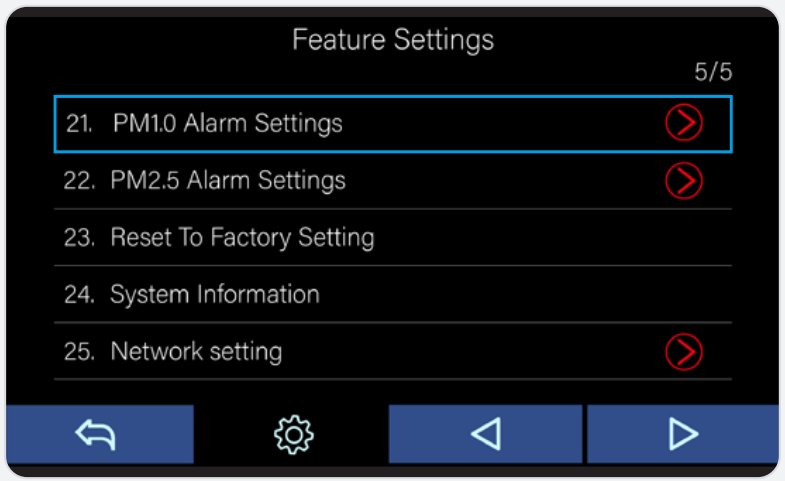
Tap on “23. Humidity alarm settings”.



Enable or disable the alarm.

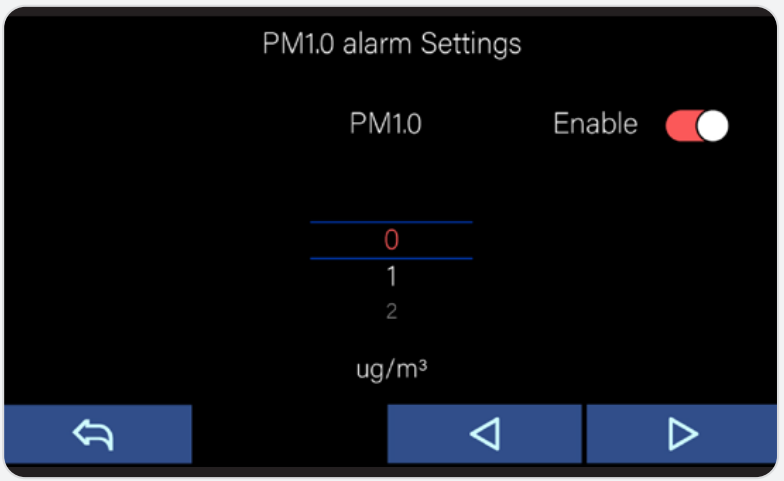
Select whether you want a high or low alarm, and at which humidity level the device should trigger.

PM1.0 alarm settings



Open the settings.

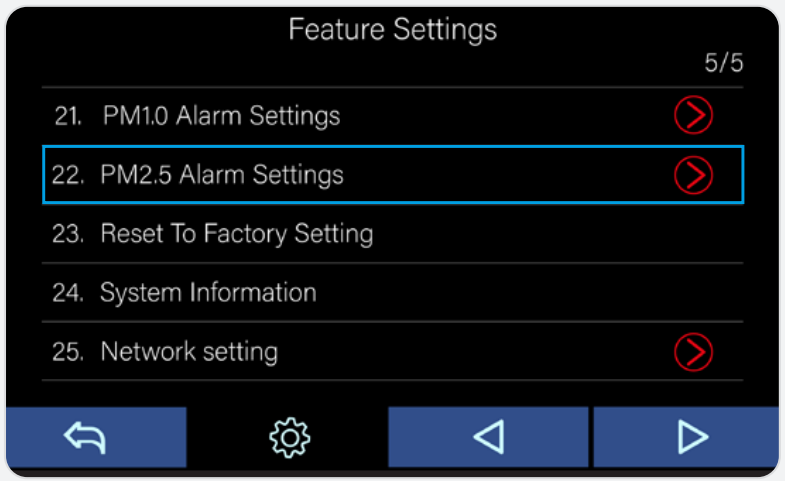
Tap on “24. PM1.0 alarm settings”.



Enable or disable the alarm.

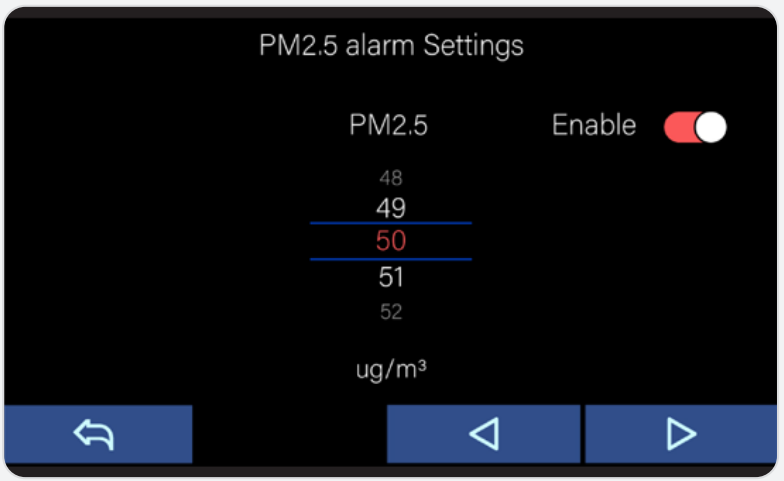
Select whether you want a high or low alarm, and at which concentration the device should trigger.

PM2.5 alarm settings



Open the settings.

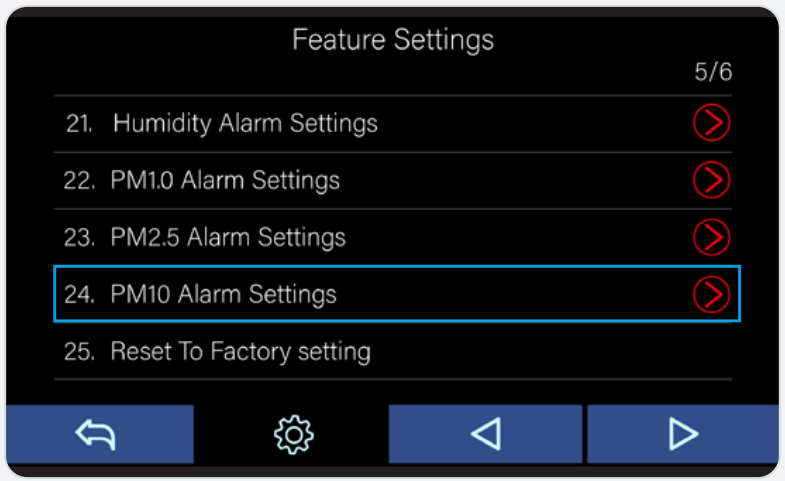
Tap on “25. PM2.5 alarm settings”.



Enable or disable the alarm.

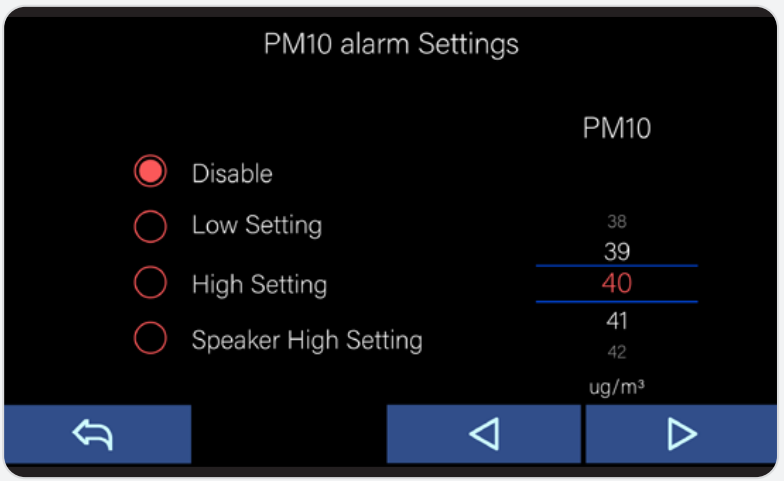
Select whether you want a high or low alarm, and at which concentration the device should trigger.

PM10 alarm settings



Open the settings.

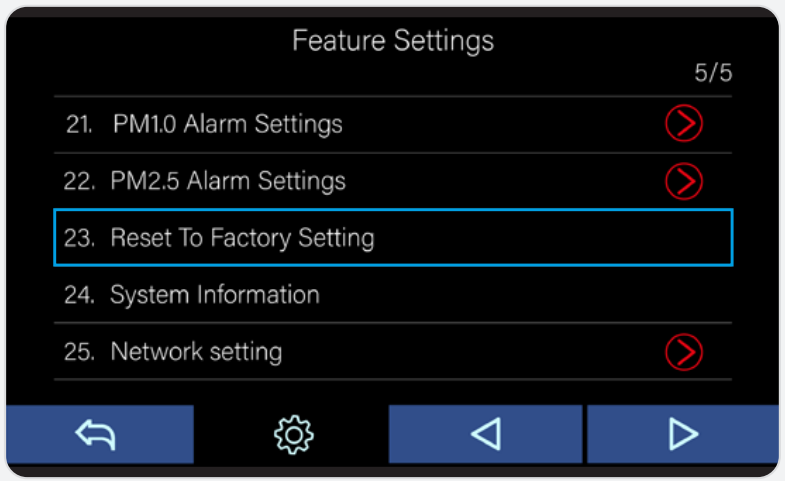
Tap on “26. PM10 alarm settings”.



Enable or disable the alarm.

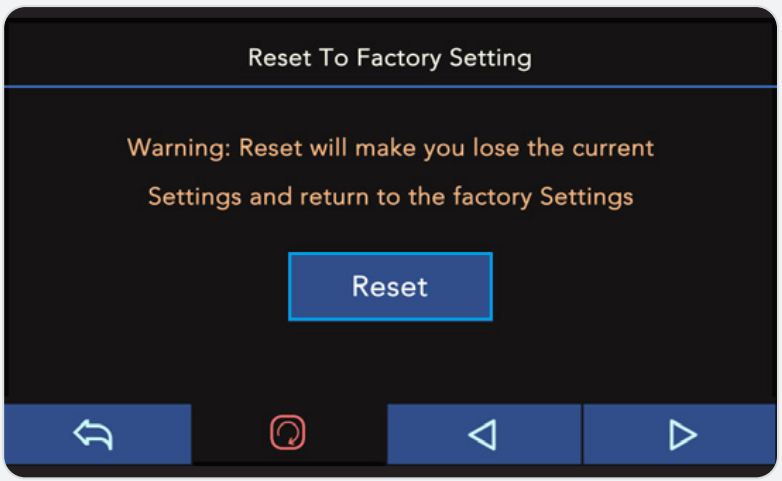
Select whether you want a high or low alarm, and at which concentration the device should trigger.

Reset to factory settings



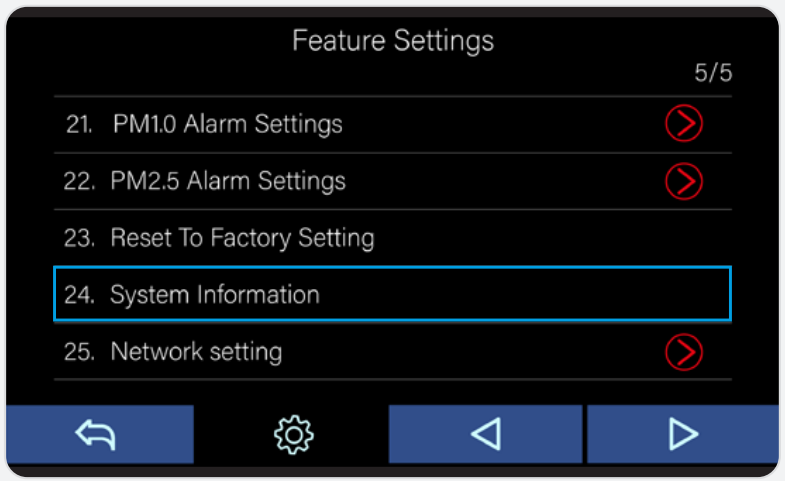
Open the settings.

Tap on “29. Reset to factory settings”.



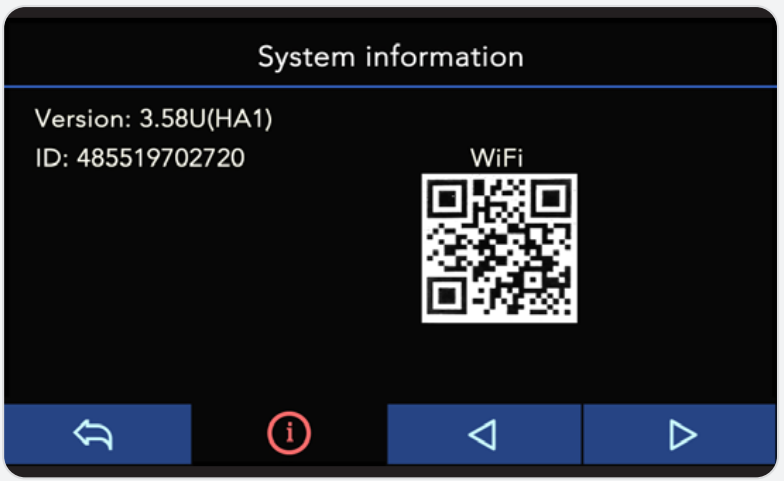
Tap “Reset” to restore all factory defaults.

System information

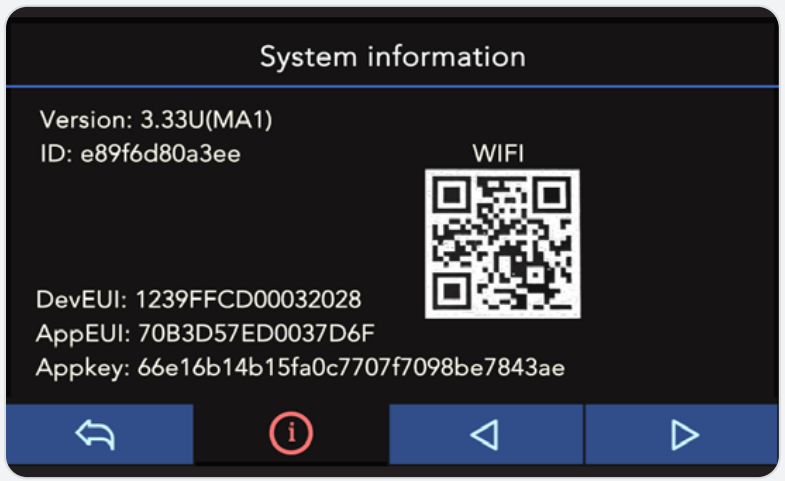


Open the settings.

Tap on “30. System information”.

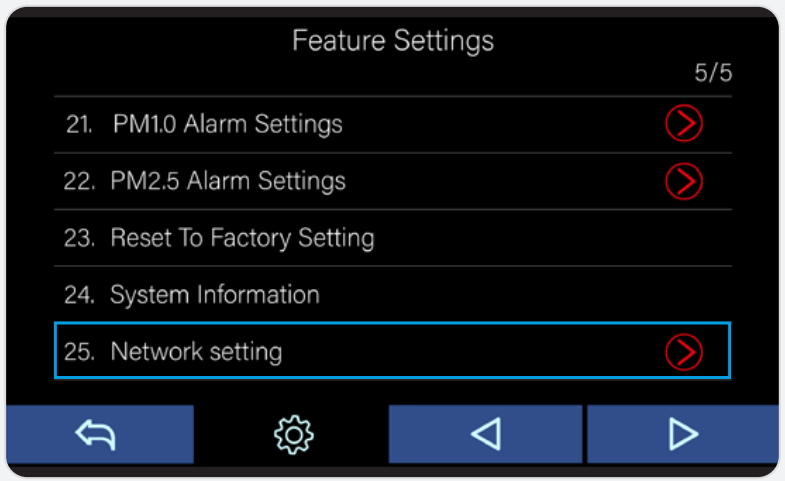


You can find the software version and the device ID here.



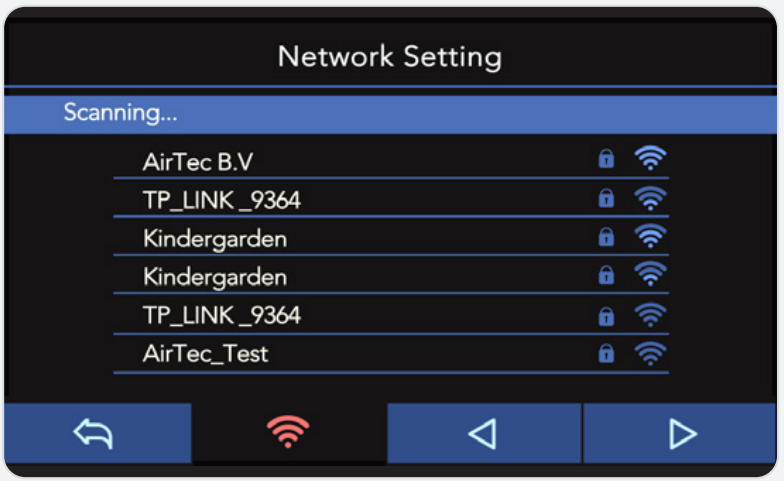
If the device supports LoRa, it will also display DevEUI, AppEUI, and the AppKey.

Network settings



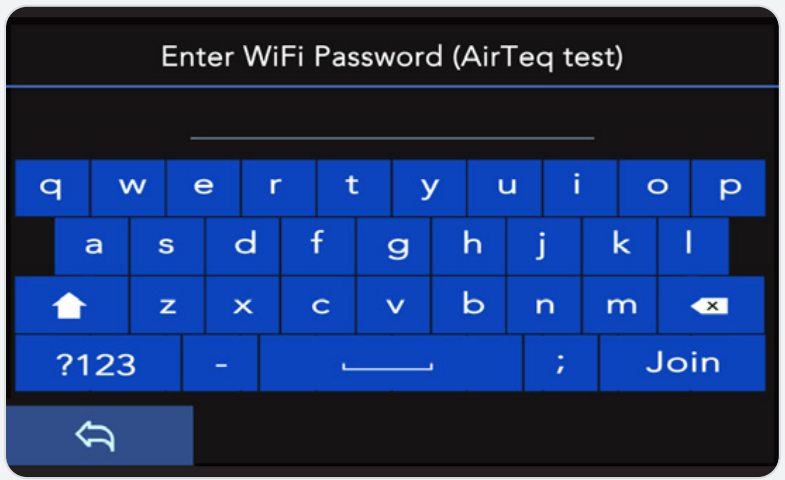
Open the settings.

Tap on “31. Network settings”.

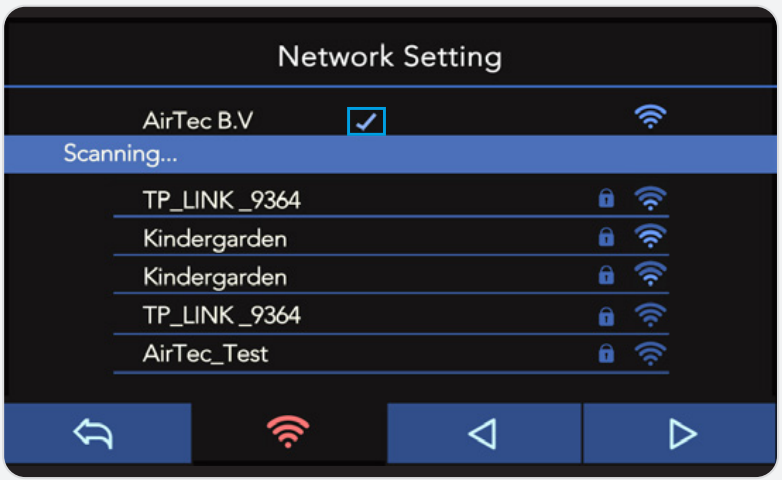


Select your network.

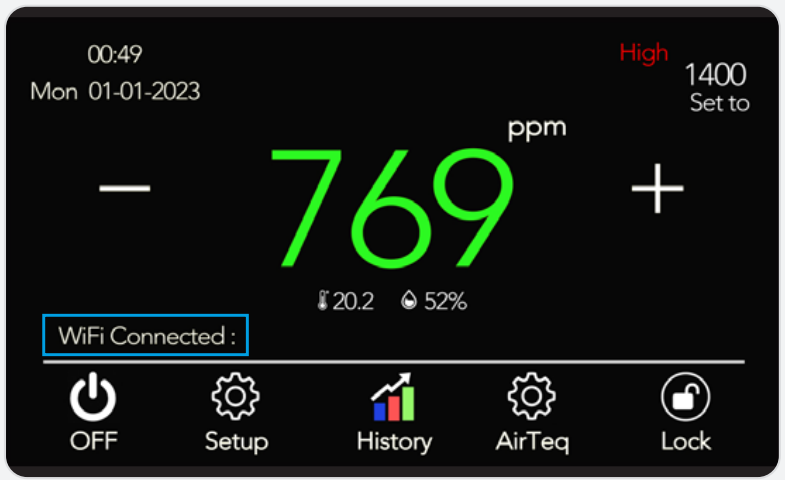
Note: only 2.4 GHz Wi-Fi is supported.



Enter the password and click “Join”.

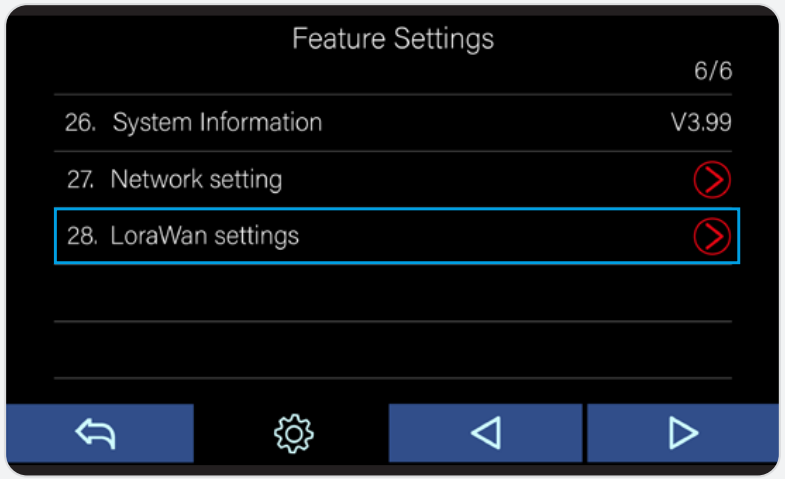


When Wi-Fi is connected, a checkmark appears.



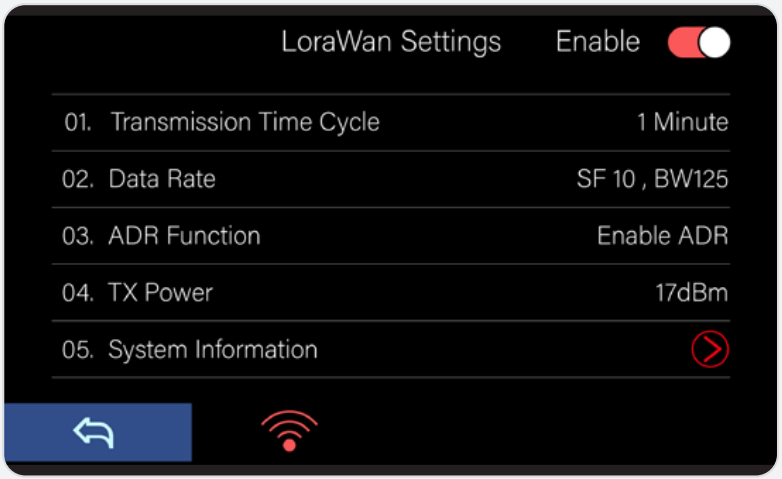
When Wi-Fi is correctly connected, this is also shown on the home screen.

LoraWan settings

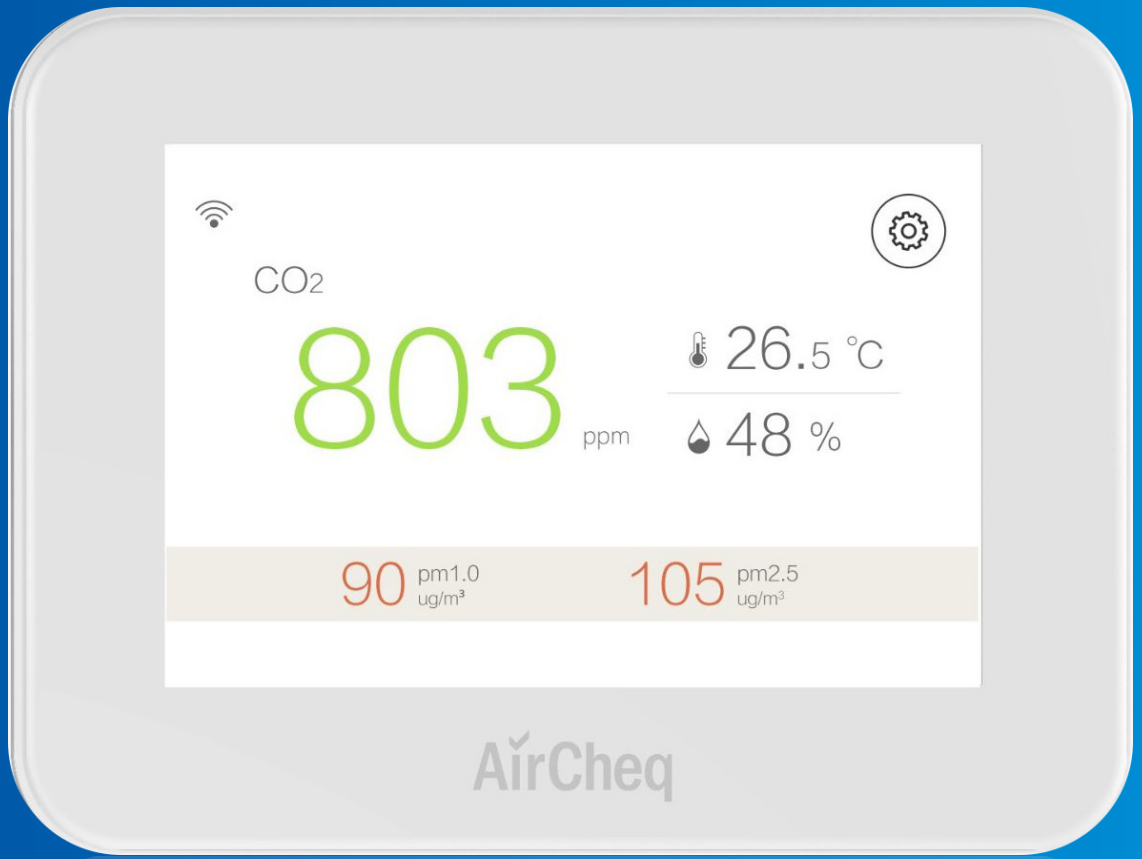


Open the settings.

Tap on “32. LoraWan settings”.



Adjust the necessary parameters here to correctly configure your LoraWan connection.


CO2
803
ppm
26.5 °C
48 %
90 pm1.0 ug/m³
105 pm2.5 ug/m³
AirCheq