Temtop

**P100/M100
Air Station
User Manual**

Meet the Air Station

You are about to take the first step in controlling the air you breathe! Air Station is a comprehensive solution. By combining laser technology and electrochemical technology, Air Station can provide instant and accurate air quality level, see invisible threats in your air, and understand where they come from through the Air Station and its network with sub device.

Get the Temtop App

Please search **Temtop** in App Store or Google Play, Or simply scan the QR code below to download the App:

 iOS App   Android App

Air Quality Key Factors

PM2.5 (Particulate Matter 2.5) refers to fine particles with diameter of 2.5 micrometers or less. Due to its tiny size, PM2.5 can be absorbed into bloodstream and the lungs, which may cause eye and nose irritation, cough, asthma, emphysema, lung disease, heart attacks, cancer and etc.

PM10 (Particulate Matter 10) refers to particulates with a diameter of 10 micrometers or less. Due to the larger size, it's inhalable but penetrates no further than bronchi as larger particles can be filtered out by cilia and mucus of nose and throat. It usually considered as less harmful to health than PM2.5.

Carbon dioxide (CO2) refers to a colorless and odorless gas that is usually derived from the breath of humans and animals. High CO2 concentration means that fresh air or ventilation is required; otherwise, it may cause problems such as drowsiness, dizziness, loss of attention, and cognitive impairment.

Temperature & Humidity may often be ignored however they do have a significant impact on individual's well-being, comfort, health and safety as well as your property. High humidity may lead to an increase in household air pollutants especially the biological contaminants such as molds, bacteria, viruses and dust mites; cold, low humidity may cause nosebleeds, skin and respiratory irritations, dyspnea, static electricity and etc.

AQI (Air Quality Index) is a quick guide showing how clean or polluted the air is, using a range from 0 to 500, where higher index values indicate higher levels of air pollution and higher risks to health. There are six pollutants for AQI in US standard: PM2.5/10, O3, SO2, NO2, CO, where Temtop only focus on PM2.5/10 and follows the US EPA Standards to compute AQI.
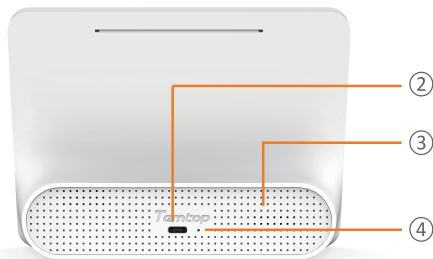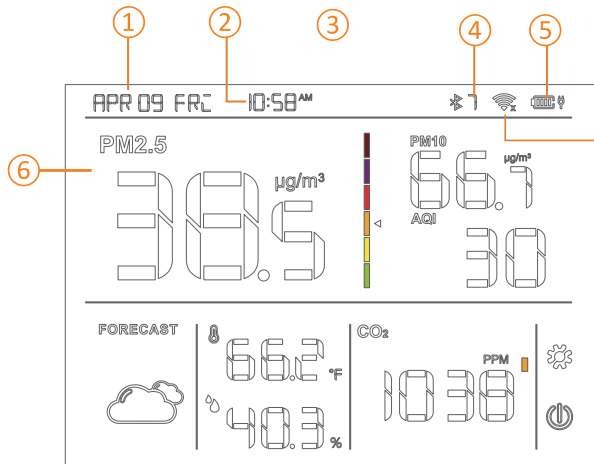
Overview

M100

P100

P100 and M100 are only different in display interface, the following operation instructions all take M100 as an example.

Serial Number	Describe
①	7.8-inch screen
②	Type-C charging interface
③	PM2.5/CO_2 inlet and outlet
④	Long press 5s to enter smartlink mode

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Display

① ② ③ ④ ⑤

APR 09 FRI   10:58 AM   ✻ 📶 🔋

⑥ PM2.5

38.5 µg/m³

PM10 66.7 µg/m³
AQI 30

FORECAST 🌡 66.2 °F   CO₂ 1038 PPM
💧 40.3 %

Status	Meaning
📶	Connected
📶x	Not connected
▪ 📶 📶 📶	Smartlink mode

AQI	level
≥ 301	◁ Hazardous
201-300	◁ Very Unhealthy
151-200	◁ Unhealthy
101-150	◁ Unhealthy for Sensitive Groups
51-100	◁ Moderate
0-50	◁ Good

CO₂(PPM)	level
2500-5000	◁ Poor
700-2500	◁ Fair
0-700	◁ Good

Sunny   Cloudy   Rainy   Snowy

Display

①	Date and day of the week	After setting the storage interval by phone, the set interval will be displayed to indicate that the setting is complete
②	Time	The two-digit download progress will be displayed when upgrading the product firmware, and it will be automatically upgraded after 99

③ Bluebooth	④ Numbers of sub device	⑤ Battery & charging indicator

⑥	PM2.5	When the firmware is upgraded for the first time, the firmware version will be displayed when the firmware is restarted for the first time, and then it will work normally after restarting.

① Power key

| Hold for 3s | → Turn ON/OFF |
| Short Press | → Adjust the backlight |

② Setting key

| Hold for 3s | → Switch °C/°F |
| Short Press | → Interconnected sensor |
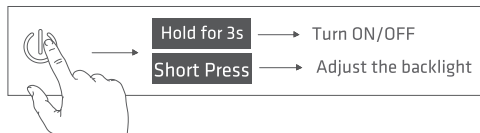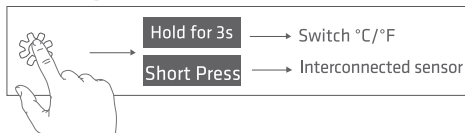
When in use, make sure that your fingers are in full contact with the button area to avoid too small contact area and the button will not respond.

Buzzer Indication: Two-beep occurs immediately when the device is on. A single beep occurs when entering the network configuration state/switching temperature unit / changing the backlight.

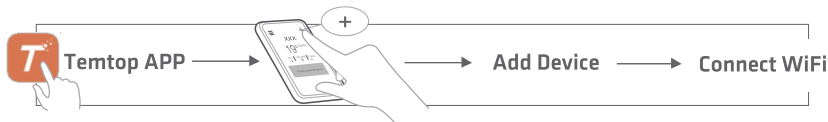The last 10 digits of the sensor GUID code
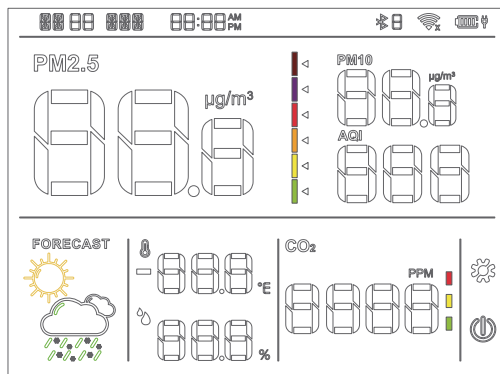
ON
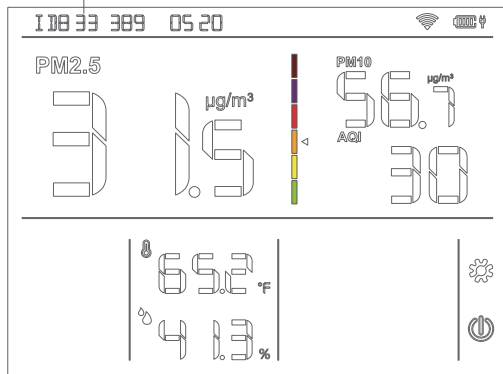
Interconnected Sensor Take TP model as an example

WiFi Connection

Follow the instructions in the Temtop app to connect your Air Station. Here are the main steps of Connection.

Temtop APP → Add Device → Connect WiFi

Add Device

P100/M100 supports two ways: Bluetooth connection and manual connection.

Bluetooth connection: The Bluetooth function of this device is turned on by default. Make sure you have enabled Bluetooth on your phone, select the device and add it. If the device is not connected to the network via Bluetooth within 30 minutes after turned on for the first time, please restart or press the reset button to re-enter the network configuration state.

Manual: Click ' ' to scan the QR code or enter the 20-digit GUID from the device, enter your preferred device name and click 'Next'. Then use a pin or stick to press and hold the reset button for 5s to enter smartlink mode.
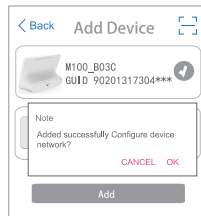
The SmartLink icon should be visible within 18 seconds after the device is on.The wireless icon on the screen will flash ascendingly like this .
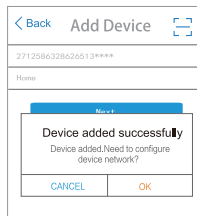
Connect WiFi

P100/M100 needs to be configured under the same WiFi as the mobile phone. Enter the password of the WiFi.
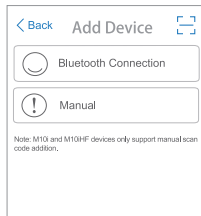
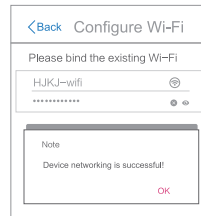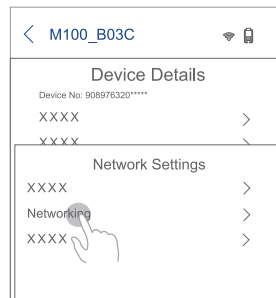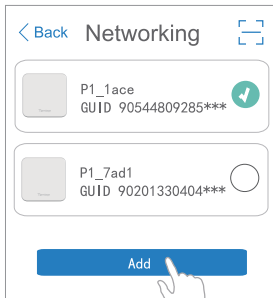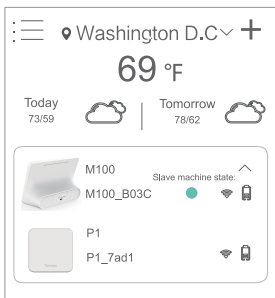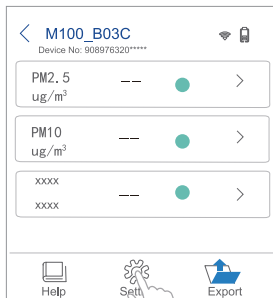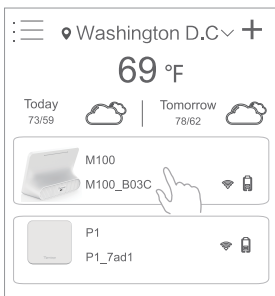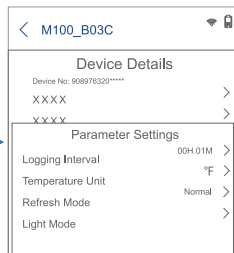| Add Device	Bluetooth connection	Manual	Connect WiFi

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Networking

After referring to the master monitor adding method and adding sensors, the homepage displays all the added devices. Then click the 'setting' interface of the master to be networking to add, as shown in the flow chart below:

Settings & Calibration

Logging Interval: Click to adjust the Interval among 1-60min.

Temperature Unit: Click to switch °C/°F

Refresh Mode: Click to switch with 3-levels of the data upload time interval.

- ● Normal: 30s
- ○ Sensitive: 15s
- ○ Power saving: 60s

Light Mode: Click to switch with 3-levels of different Brightness.

The Temtop APP supports setting CO_2 calibration. Place the machine in the outdoor air circulation, click CO_2 calibration in the APP, and the 'CAL' value flashes for 3 minute until the calibration is completed.
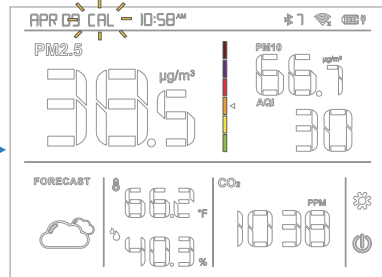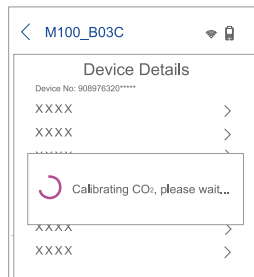
Note: During the manual calibration process, the device must be exposed to fresh outdoor air (about 400 ppm of CO_2), Maintain a distance of at least 1 meter from the device.

Specifications

Basic Specifications

Dimensions: 165*120*70mm
            6.5*4.8*2.8in.
Display: 7.0" LCD screen
Battery Capacity: 4000mAh
Input: DC5V;2A
WiFi: 2.4GHz/5GHz

Temperature
Measuring range: -9.9-50°C (14.18-122°F)
Resolution: 0.1°C   Accuracy:±1°C
Humidity
Measuring range: 0-99.9 % RH
Resolution: 0.1% RH   Accuracy:±5% RH

PM Sensor

PM2.5
Measuring range: 0-999μg/m^3
Resolution: 0.1μg/m^3
Accuracy: ±10μg/m^3（0~100μg/m^3）
         ±10%（100~500μg/m^3）

PM10
Measuring range: 0-999μg/m^3
Resolution: 0.1μg/m^3
Accuracy: ±15μg/m3(0~100μg/m^3)
         ±15%(100~500μg/m^3)

Gas sensor

CO_2
Measuring range:0-5000PPM
Resolution:1PPM
Accuracy:±40PPM ± 3% reading

NOTE:
For long hours of use, the device can be used while connected to the power. A full charge will last about 6 hours when it is not plugged in. When the power is less than 15%, the battery icon on the top right will flash. Please charge the device in time.

What's Included

Air Station   x 1

User Manual   x 1

Type-C Cable   x 1

Note: P100/M100 master monitor can be used alone or in combination with the interconnected sensor (the interconnected sensor needs to be purchased separately).

Note :   A sincere effort was made to ensure that all information in this manual was current at the time of publication. However, final products may vary from the manual, and the specifications, features, and displays are subject to change. Please check with your Temtop representative for the latest information.

Warranty

Temtop warrants the included detector for 1 year from the date of original purchase. The item can be exchanged or returned within 30 days if the defect is not caused by artificial damage.

Item	Warranty Period
Detector	1 year included
Accessories	N/A

Before return or delivery for repair, please check if the following items are ready:

	Detector & Accessories	Complete Package	Proof of Purchase*	Gift (if any)
Return	√	√	√	√
Exchange	√	√	√	
Repair	√		√	

Temtop warranty does NOT include:
• Malfunction or damages caused by artificial damage or modification.
• Other deliberate damages.
• Damage caused by natural events.

Returns and Exchanges

Item	Model Number	Request	Reason
1		☐ Refund ☐ Exchange	
2		☐ Refund ☐ Exchange	

Your E-mail Address: _____

Your Contact Number: _____

Shipping Address: _____

_____

Temtop

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