i3CAIR
Quick start guide

Thank you.

Enjoy the purchase of your i3CAIR - Indoor Air Quality Sensor.

View this manual online

https://i3cair.com/manual

Lets see what's in the box.

i3-Technologies is conscious about the environmental impact of the products that we produce. Therefore we would like you to support us in this mission by disposing all packaging according to any local regulations.

To check if we packed your product correctly, please verify if all these items are present:

☑ 1x i3CAIR sensor box   ☑ 1x USB cable   ☑ 1x User guide

Is something missing or does it look damaged?

We're so sorry, please contact our support service at service@i3-technologies.com, or contact your local reseller.

Compatibility Requirements.

The i3CAIR solution works best in combination with an i3TOUCH display. This i3TOUCH display needs to have an active internet connection along with access to the i3STORE.

The i3CAIR sensor box is compatible with the i3TOUCH-range displays:

i3TOUCH E10r   i3TOUCH EX   i3TOUCH PX   i3TOUCH PXr   i3TOUCH ES

No need for a power outlet! The i3CAIR gets its power from the i3TOUCH display through the USB cable. So no need to struggle with power supply extensions.

The Sensors.

The i3CAIR Indoor Air Quality Monitor has 4 sensors that determine the Wellbeing Index:

Carbon dioxide (CO^2)

The levels of carbon dioxide emissions indoors are determined by human breathing. CO^2 is one of the best indicators to determine indoor air quality.

Ranges from: 0 to 10,000 ppm
Typical Accuracy: ± 40 ppm

Particle matter (PM2.5)

Ranges from: 0 to 1,000 µg/m³
Typical Accuracy: ± 15 µg/m³ (<100) or 15% (>100)

Temperature

Make sure the temperature is right for you, allowing you to stay energetic and focused.

Range: 0°C to 100°C / 32°F to 212°F
Typical Accuracy: ± 1°C / ± 1.8°F

Humidity

Ranges from: 0 to 100%
Typical Accuracy: ± 5%

Best Position.

Avoid influence from external sources

Where to position the i3CAIR?

The i3CAIR is best placed in a 'neutral' space in the room. We advice not to place an i3CAIR close to a radiator or any other kind of heating source. The i3CAIR is best placed in the middle, under the i3TOUCH display, ideally in the shade. Direct sunlight is to be avoided.

The following circumstances are to be avoided:

1. Placing your i3CAIR too close to a heat source (avoid proximity of heating system, electronic devices, direct sunlight).

2. Placing your i3CAIR too close to an air vent or ventilation system or anything that causes an unnatural airflow.
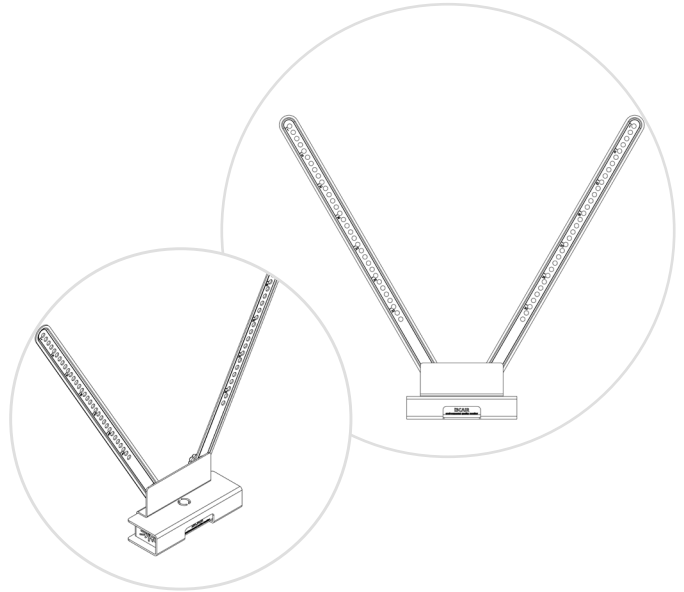
3. Do not position your i3CAIR upside-down

Mounting.

Mounting the i3CAIR onto an i3TOUCH

Using the specially designed bracket

The i3CAIR sensor box can be positioned in the most ideal
position using the specially designed bracket. This bracket
can be easily attached to your i3TOUCH
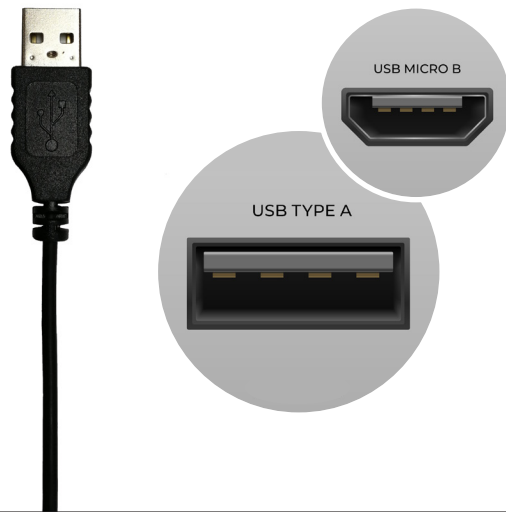
Connect & Setup.

Connect

Connecting your i3CAIR to an i3TOUCH display is incredibly simple!
Use the included USB cable to connect the i3CAIR (micro USB port)
with a USB port on the i3TOUCH.

The i3CAIR will get its power from the USB cable so there is no need
for an external power supply.

When powered on, a small green LED light appears
on the back of the device.

Product Voltage : DC 5V

USB MICRO B

USB TYPE A

Configure.

Install i3CAIR from the i3STORE
The i3CAIR app can be installed directly on your i3TOUCH display from the i3STORE.

Launch the i3CAIR app
Once the i3CAIR has been attached to the i3TOUCH, move to your installed apps and open the i3CAIR aplication.

Auto-Configure the i3CAIR
When the i3CAIR app is present on an i3TOUCH display then it will automatically detect the connection of an i3CAIR sensor box. When you launch the app you will see the connection status in the upper right corner.
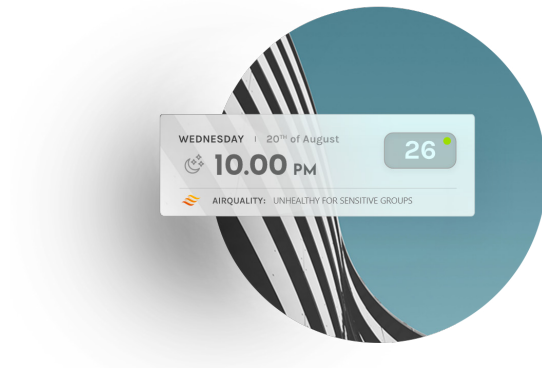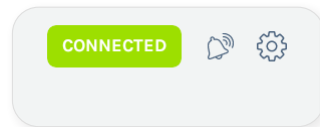
Connection Status.

Check the connection status in the i3CAIR app
When the connection with the sensor box is successful the status will be 'green' - 'connected'.

In case of issues the connection status will be 'red' showing a 'disconnected' message.

Check the connection status in the i3LAUNCHER
If an i3CAIR sensor box has been paired successfully with an i3TOUCH then the i3CAIR air quality widget will appear in the upper left corner of the i3Launcher

CONNECTED

WEDNESDAY | 20ᵀᴴ of August
10.00 PM
26

AIRQUALITY: UNHEALTHY FOR SENSITIVE GROUPS

Calibration.

Your device is calibrated out of the box. If you experience deviant results you can recalibrate the device on the bottom of the menu.

Only use this function if you notice abnormal or inaccurate CO2 readings.

Before you proceed with the CO_2 sensor calibration. Make sure to position the i3CAIR sensor box in a location with good outside air circulation. For example: next to an open window. The i3CAIR sensor box will use the outside air to start the calibration process. Do not use this calibration function in a closed room with high CO_2 values or in a location with high outside CO_2 values like a polluted city center. Doing this will result in an incorrect calibration and cause inaccurate CO_2 readings.

While not required, it is recommended to leave the i3CAIR sensor box powered on for at least three weeks while completing initial calibration. The i3CAIR sensor box will continue to automatically calibrate over a longer period of time to further increase the accuracy of CO_2 readings.

Using the i3CAIR app.

Explaining the interface

1   A message welcoming you appropriately according to the time of day
2   Current date and time
3   Current sensor data - refreshes every 5 second
4   Connection status (green is connected, red means not connected)
5   Current air quality index - refreshes every 5 seconds
6   The i3CAIR app stores sensor data for 7 days. Via this menu (horizontal tabs) one can consult
    the 7-days rolling data of the air quality index or the data from each individual sensor.
    Clicking on a tab will display the graph of the past 24 hours.
7   Time range along with the type of sensor that was chosen
8   Day of the week when the measurements were stored - clicking on the arrows will
    move to the past/next 24 hours
9   Air quality index of the day chosen day (identical to point 8.). This index is calculated
    on all data captured during that particular day.
10 Graph - touching the graph will provide you detailed information of the data measured
    at that point in time.

Regulatory Information.

DISPOSAL OF WASTE BATTERIES AND ELECTRICAL & ELECTRONIC EQUIPMENT

This symbol on the product or its batteries or its packaging means that this product and any batteries it contains must not be disposed of with your household waste, but hand over to an applicable collection point for the recycling of batteries and electrical and electronic equipment. This separate collection and recycling will help to conserve natural resources and prevent potential negative consequences for human health and the environment due to possible presence of hazardous substances in batteries and electrical and electronic equipment. For more information about where to drop off your batteries and electrical and electronic waste, please contact your local city/municipality office, your household waste disposal service, or the shop where you purchased this product. Contact info@i3-technologies.com for additional information on WEEE and waste batteries. Any changes or modifications could void the user's authority to operate this device. This product is for use with NRTL Listed (UL, CSA, ETL, etc), and/or IEC/EN 60950-1 compliant (CE marked) Information Technology Equipment. No serviceable parts included. This device is rated as a commercial product for operation at +0⁰C to +35⁰C.

EU DECLARATION OF CONFORMITY

Hereby, i3-Technologies N.V. declares that this product is in compliance with the essential requirements and other relevant provisions of Directives 2014/30/EU, 2014/35/EU, 2014/53/EU, and 2011/65/EU, where applicable. The availability of products may vary by region. For more info, contact your dealer. This device may contain commodities, technology or software subject to export laws and regulations. Diversion contrary to law is prohibited. This equipment is for indoor use only, and is not intended for use in machinery, medical or industrial applications.

FCC INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: -Reorient or relocate the receiving antenna. -Increase the separation between the equipment and receiver. -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. -Consult the dealer or an experienced radio/TV technician for help. This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

Warranty information.

By default our i3CAIR device is equipped with a 2 year warranty.

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