SK telecom

Air Cube

English

SN-100T / SN-100C

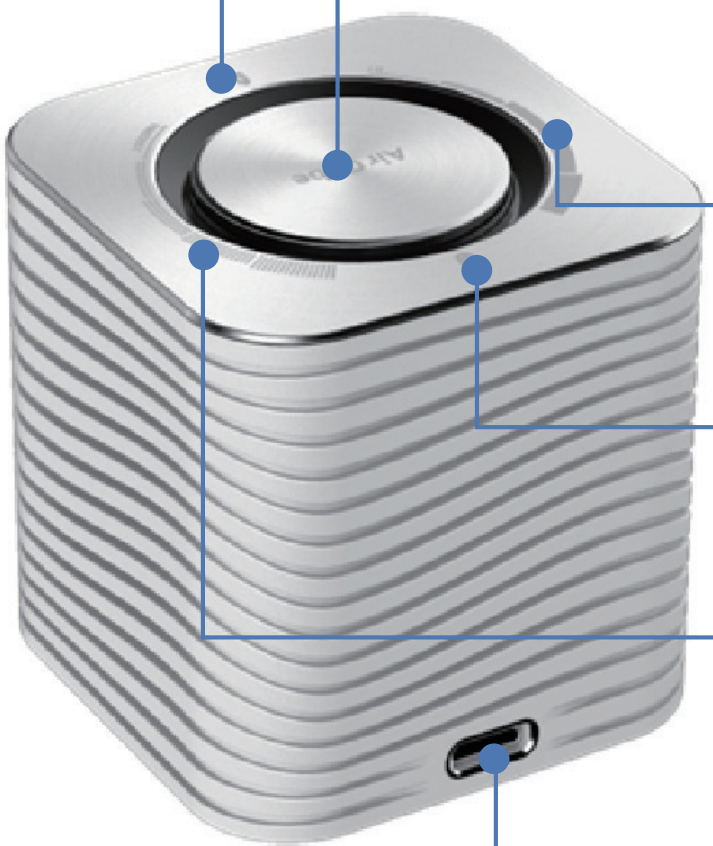
Please carefully read the safety instructions to prevent any unintentional injuries.

The pictures in this manual may differ from the actual product.

[What's included]

- Air Cube
- Micro USB Calbe
- Quick Guide

[Air Cube Overview]



Power/Charging LED

When charging battery, red LED lights up. It will turn to green when the battery has been completely charged.

Power Button

Pressing the power button more than one second will turn on/off the power. When an alarm goes off, press the button to turn off the alarm.

Fine Dust(PM) Density LED

This LED shows Fine Dust measurements in five(5) different levels.

Bluetooth LED

When connected with smartphone, the LED will turn to blue.

CO_2/ Discomfort Index LED

This LED shows CO2 / Discomfort Index measurements in five(5) different levels.

Charging Socket

Charge the Air Cube with micro 5-pin smartphone charger or micro USB cable.

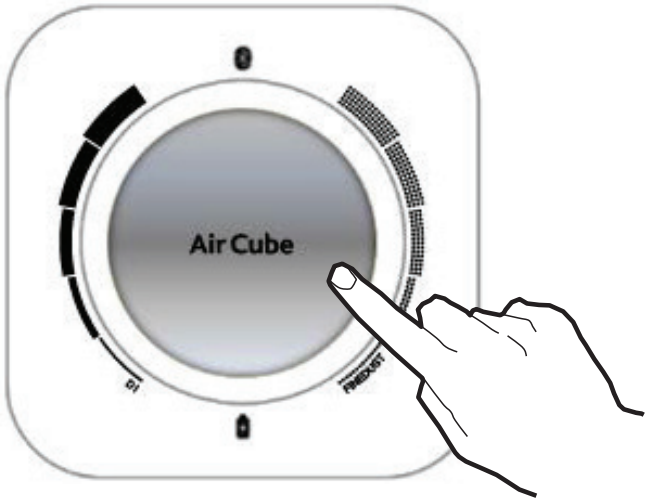
[Turn Power On/Off]

[On]

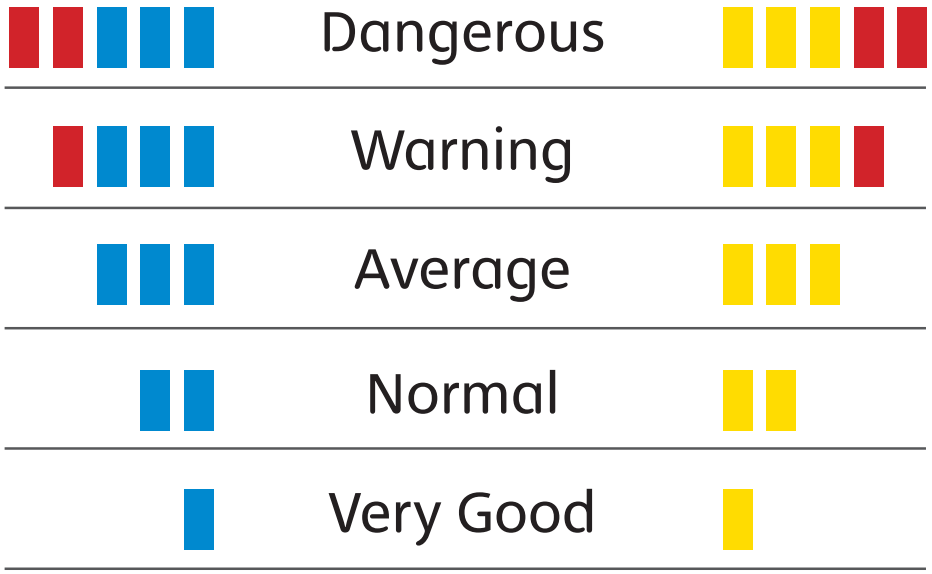
- Press the power button for more than one second. All the LED lights will blink three times simultaneously. Then the Bluetooth LED will blink turning into standby pairing mode.
- Once it's paired up with a smartphone, whenever the power turns on, the Air Cube will automatically start to measure once every fifteen(15) seconds. In addition, the device will measure once more if you shake the device.

[Off]

- Press the power button for more than two seconds. All the LED lights will blink once and the device will turn off.



[LED Display Measurements]



Air Quality	Discomfort Index (DI)	CO_2 (ppm)	Fine dust μg/m³
Very Good	~ 67	~ 450	~ 30
Normal	68 ~ 74	451 ~ 700	31 ~ 80
Average	75 ~ 79	701 ~ 1000	81 ~ 120
Warning	80 ~ 84	1001 ~ 2000	121 ~ 200
Dangerous	85 ~	2001 ~	201 ~

[Air Cube Application]

Using the Air Cube app, you can check the air quality conditions measured by Air Cube in real time. In addition, the Air Cube app provides action guide in accordance with each air quality level.
You can easily download the mobile application from our Air Cube website (www.aircube.io).
After installing the app, you can use it with the Air Cube device. Air Cube app offers convenient features such as setting country-specific air quality standards or alarm notifications depending on the user's environment.

Google

Google play

Apple

store

[Bluetooth Pairing (connection)]

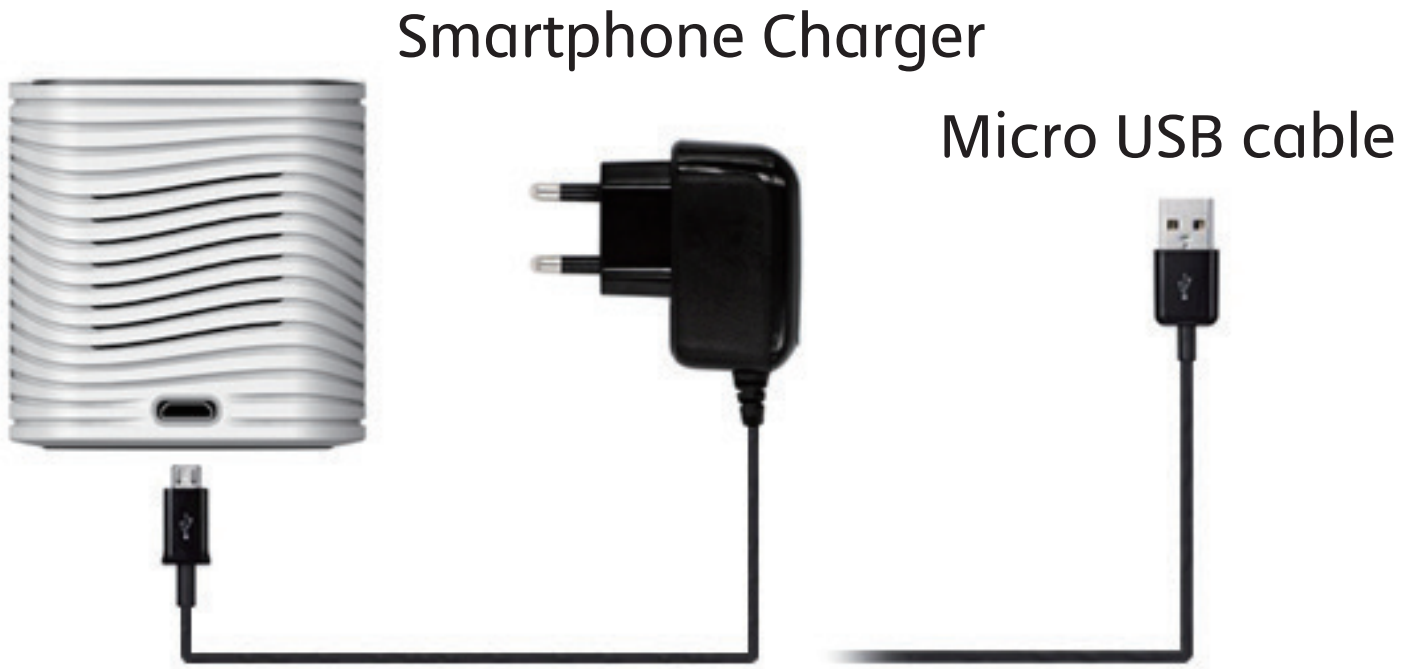
1. Press the power button more than one second.
2. Bluetooth LED will turn to blue and blink, turning into standby pairing mode.
3. When running the air check application, you can activate the smartphone's Bluetooth simply by following the instructions.
4. In the application settings menu, choose the available pairing device. Then, press the 'pair' button. It is paired up when the message 'connected with the Air cube' is displayed.
5. When it's paired up, Bluetooth LED will turn to blue.

When running the Air Cube application, you won't need to pair up your Air Cube and the smartphone again if you have paired it up once before.

(Bluetooth 4.0 or above / Coverage: maximum 11 meters)

[Charging]

You can charge the device with a micro 5-pin smartphone charger or micro USB cable. The power LED will turn red while charging and it turns green when it is complete. If the battery LED flashes, it means that the battery has less than 10% power. Please charge the device immediately then.



[Safety Instructions]

※ These safety precautions is to prevent any damage, malfunction or injuries.

Failure to follow these instructions could result in fire, electric shock, injury or even death

- Do not place the Air Cube on an unstable surface. The product may be damaged if dropped.
- Do not disassemble, crush, puncture or shred the Air Cube. Please contact the service center when it needs to be repaired. (If you disassemble the product yourself, warranty will not apply.)
- Keep the Air Cube dry. Wipe the device with clean dry cloth. (Using oil washing detergent, paint thinner or wet wipes may cause exterior damages, electric shock, breakdown or even a fire.)
- Please ensure that no substances gets inside the product, such as drinks or water. Also, please avoid from flooding. (This may cause a breakdown or electric shock.)
- If the product is wet when charging, disconnect the product right away with caution. (This product is made for indoor use and is not water proof.)
- Do not use the Air Cube in a damp place. (This may cause a fire or electrical shock.)

- Please do not place the device in a vehicle under direct sunlight, on an electric blanket or on a rug. Also, avoid placing it in hot and humid environment such as sauna for a long time. (Panel disfiguration or it may cause malfunction.)

⚠ **Caution :** Failure to follow these instructions may result in injury or product damage.

- Measurements are reliable data but it is for reference purposes. Therefore, the manufacturer and seller will not be held legally responsible.
- Do not let the device be placed in a cold environment such as outdoors during winter or in a cold storage. It may not work properly. (Recommended operating environment: 0 ~ 45°C)
- Do not place the Air Cube close to objects with magnets or magnetic components. This can cause damage or malfunction.
- Avoid dropping or knocking it down on hard surface. It may damage the board inside as well as increase the risk of injury by breakdown.
- Unplug charging accessories and store the device in a safe place when not being used for a long time.
- Do not connect the unit to other devices in a manner that is not described in the manual.

[When Air Cube doesn't work properly]

Please refer to the following actions for different symptoms that may occur and also refer to the user manual enclosed before reporting a device failure.

Symptoms	Action
Power is not turned on	▪ Make sure to press the power button more than one second. ▪ Check whether the battery is charged.. ▪ If you are using USB port, it may not work because of power shortage. Please charge the device by connecting directly to the USB port.
Not pairing up	▪ Check whether Android OS version is 4.3 or higher. Bluetooth LE (Bluetooth Low Energy) function is supported in Android 4.3 or above. ▪ Check whether the iPhone OS version is iOS 6 or higher.
The particulate matter measurement too high / low	▪ Check if there is anything blocking the ventilation socket.
CO_2 level too high / low	▪ Check if the temperature/humidity is either too high or too low.
Temperature measure-ments too high / low	▪ Check if the temperature is either too high or too low.
Humidity measurement too high / low	▪ Check to see if there's water or any forms of liquid which might have penetrated inside the Air Cube.

[Product Specification]

System Specification	
Battery Capacity	Rechargeable Li-Ion 3.7V, 600mAh
Operating time	24 Hours (may vary depending on the operating environment)
Charging time	3 Hours
Power	Micro USB Adapter
Interface	Bluetooth 4.0 Low Energy(BLE)
Dimensions	52(W) x 52(L) x 52(H)
Sensor Specification	
Particulate Matters	0 ~ 500μg/m^3
Temperature	0 ~ 45˚C
Humidity	5 ~ 95%
CO_2	0 ~ 5000ppm (SN-100C Only)
UI Specifications	
Fine Dust & CO_2 LED	10 Digits (Left, Right)
Bluetooth LED	1 Digits (Up)
Battery LED	3 Digits (Down)
Button for Power On/Off & Micro USB Jack for Battery Charging	
Basic Composition	
Air Cube, Micro USB Cable, Quick Guide	

※ Each sensors are applied differently according to the model

[Product warranty]

Check if there are anything that's not listed on a prescribed topic warranty

Please suggest the warranty to your dealer or Customer Service when failure occurs (the warranty period is one year from the date of purchase, but the warranty of the battery is six months). Please be sure to fill in the details after purchase and keep it separately.

Product service standards

When device failure occurs, you may receive customer service for free of charge.
(For refunds, sales receipts must be provided)

Consumer damage type	Compensation details	
	Within the warranty period	After the warranty period
When major repair is needed, within 10 days after purchase.	Exchange or refund	Onerous repair
If the product is in need of major repair within a month after purchase	Exchange or warranty	
When replacing is impossible	Refund	
Serviceable		
In the event of same failure	Warranty	
In the event of up to five different failures	Exchange or warranty	
Repair is impossible		
If service provider loses the customer's device	Exchange or refund	Refund of 10% added to the amount of depreciation
Unable to repair due to shortage in parts	Exchange or warranty	Refund of 5% added to the amount of depreciation

Paid Services

1. For non-failure
   - If you call in for service in case there is no problem with the device, service fee will be charged.
     Thus, please read the instructions carefully.
2. If the failure is due to the negligence of consumer
   - Due to user's carelessness (drop, immersion, shock, damage, unreasonable behavior, etc.)
   - If someone other than our service personnel tried to repair the unit and problem occurred
   - Failure due to the use of non-genuine parts or accessories
   - Malfunctions caused by the user's intentional or negligence
3. In other cases
   - Failure caused by natural disaster (fire, flood etc.)
   - If the sensor performance deteriorates after long-term use (after the warranty period).

Product	Air Cube	**Model**	
The date of purchase	/ /	**Product Number**	
Where to Buy		**Warranty**	One year from the date of purchase

If the date of purchase is not checked, the warranty period is calculated from manufacturing date. Details that are not specified is subject to the 'consumer dispute resolution criteria' of the Korea Fair Trade Commission.

Customer Service: SK Telecom Inc.

Services : www.aircube.io / help@aircube.io

MSIP-CMS-SK4-SN-100C

Caveator ‘s name : Specific low power wireless devices
(Wireless device for wireless data communication system)

FCC ID : 2ADMB-AIRCUBE-BT

Business Name : SK Telecom Inc.

Manufacturer/Country : NBREDS Inc. / South Korea

Rated Voltage : DC 3.7V ⎓ ,600mAh

* This wireless device may be affected or interfere with wave propagation during operation.

Warning

FCC compliance Information
This device complies with part 15 of 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.

Information to User
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 communcations.
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 ail outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC WARNING:
This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

User information Statement
Hereby, To21 Co.,Ltd., declares that this RTSD5000 is in conipliance with the essential requirements and other relevant provisions of directive 1999/5/EC.