

## **PACKAGE CONTENTS**

- KH02 main unit
- Adapter [1]

## **PRODUCT DESIGN / FEATURES**



#### NOTES:

- [1] Power cable length: 1.5m.
- [2] Use Mini HDMI or Mini HDMI to HDMI adapter.
- [3] RS485 wire: AWG22, max 200m.
- [4] Only compatible with iAeris air quality detector.

## Right Side Micro USB Interface Power Indicator Light Multi-Function Button RS485

#### Communication Interface:

#### **RS485 Function**

• RS-485 is directional; ensure correct A (+) and B (-) connections.

#### **Wireless Network Function**

• Refer to the WiFi setup instructions for wireless network use.



Interface [3]

## SYSTEM ARCHITECTURE

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#### NOTES:

[1] KH02 connects with iAeris air quality detectors to display data on an external screen.

[2] KH02 supports only one iAeris detector at a time.

[3] KH02 connection method with iAeris:

- a RS485: Connect via RS485 cable.
- **b** Direct WiFi: Enable iAeris WiFi hotspot mode and connect KH02 to it.
- **C** WiFi Intranet: Connect both iAeris and KH02 to the same local network via WiFi.
- [4] No external screen or WiFi AP included. Resolution: 1920x1080.

## **RS485 INSTALLATION GUIDE**

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### Connect iAeris and KH02 via RS485



Installation: KH02 can be a stuck on the wall or b placed behind the screen.



**3**\_\_\_\_\_ Insert HDMI into KH02 and plug in the adapter.



## 2

Connect to iAerisvia RS-485 transmission cable. [1] [1]: RS-485 is directional; ensure correct A (+) and B (-) connections.



#### 4\_\_\_

When the air quality screen appears, monitoring begins.

## **DIRECT WIFI INSTALLATION GUIDE**

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### Connect iAeris and KH02 via Direct WiFi



Installation: KH02 can be a stuck on the wall or b placed behind the screen.



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### 2

Enable iAeris WiFi hotspot. [1]

[1]: iAeris WiFi hotspot is enabled by default. If unsure, reset network settings using the iAeris manual.



## 3

Insert HDMI into KH02 and plug in the adapter.



### 4\_\_\_\_.

Log in to KH02 to set up WiFi.[2] [2]:Please refer to [Direct WiFi Installation Guide] Section

When the air quality screen appears, monitoring begins.

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## WIFI INTRANETINSTALLATION GUIDE

### Connect iAeris and KH02 via WiFi Intranet



or **b** placed behind the screen.



### 2

Connect iAeris to the network with a fixed IP [1] [1]: iAeris WiFi hotspot is enabled by default. If unsure, reset network settings using the iAeris manual.

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## 3

nsert HDMI into KH02 and plug in the adapter.



### 4\_\_\_\_

Log in to KH02 to set up WiFi.[2]

[2]: Please refer to [Direct WiFi Installation Guide] Section



When the air quality screen appears, monitoring begins.



## **CONNECT TO WIFI HOTSPOT**

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### KH02 hotspot is on by default; connect via phone or computer

Power on KH02, then press the multifunction button after boot-up.



The screen shows device info; ensure KH02 is in hotspot mode (AP mode)[1]

PID:	KH02	
SNO:	000000000000001	
F/W versior	1: 2.01.001	
Memory:	0/0	
WiFi Mac:	b8:27:eb:c7:a8:4c	
WiFi Status	AP Mode	AP Mode
SSID:	KH02_A84C	
IP Address:	http://192.168.4.1	
RSSI:		
LAN MAC:		
LAN IP		

Find WiFi hotspot and key on the side label. SSID: KH02\_xxxx Password 1234567890

Model : KH02	[WiFi Setting]	തകത
Serial no : 00000000000xxxx WiFi Mac : xxxxxxxxxxxxx	SSID : KH02_xxxx Password : 1234567890	
BLE Mac :	nttp://192.166.4.1/conlig?	CTRABD

#### 2\_\_\_\_

Connect to KH02 WiFi hotspot on your device.



<b>a</b> (7.	KH02_XXXX Connecting	
	Enter the network secur	ity key
	1234567890	
		Cancel

#### NOTES:

[1] Press the multi-function button for 10 seconds if KH02 WiFi hotspot is not found.



Restart to enter setup mode and automatically enable WiFi hotspot.

## LOG IN TO THE SETUP WEBPAGE

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### KH02 supports remote setup via computer or phone when connected to the network

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Power on KH02 and press the multifunction button. [1]



The screen displays KH02 connection info and IP address. [2]

PID:		KH02				
SNO:		000000000000000	01			
F/W ve	ersion:	2.01.001				
Memo	ry:	0/0				
WiFi M	lac:	b8:27:eb:c7:a8:4c				
WiFi S	tatus:	connected				
SSID:		sysinno-test-AP				
IP Add	ress:	192.168.0.100 -				
RSSI:		–45dB	WiFi	netwo	rk addr	<b>655</b>
LAN M	IAC:				in addition	000
I AN IP						

Use a browser on your computer or phone and enter the URL <sup>[http://xx.xx.xx.xx]</sup> [3] Access the setup page.



## 3

Enter the username and password to log in: Default factory settings. username: admin password: admin

#### NOTES:

[1] If it's your first time, KH02 will be in setup mode with WiFi hotspot enabled.Connect to the KH02 WiFi hotspot.

[2] The connection info shows both WiFi and Ethernet IP addresses. Choose based on your connection.

[3] <sup>[http://xx.xx.xx.]</sup> is just an example. Users must enter the actual IP address.

## **DIRECT WIFI MODE CONNECTION SETUP**



### Log in, then click "Network" > "Wireless Network" to access settings



## WIFI INTRANET MODE CONNECTION SETUP



### Log in, then click "Network" > "Wireless Network" to access settings



## **DISPLAY TEMPLATE SETTINGS**

### **Display Settings**

Click "Display" in the menu to access the display settings page.
Select template [1], language, date format, and time format.
For customization, use your own images for the logo, title, and background.
Check the "History Curve" option to enable the display of factor history.
Default factors are based on iAeris. Check "Custom Factors" to modify.
Click "Save" to apply settings, then restart the device.

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#### **NOTES:**

[1]KH02 supports a simple template for selection



## **ADVANCED FEATURE SETTINGS**

In addition to 'Wireless Network' and 'Display Layout' settings, this section explains many other features

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### **Device Information**

- 1. Click 'Information' in the menu to enter the Device Information page.
- 2. The Device Information page displays KH02 details.

<b>SYSINNO</b> КН02		
Info		Information
🖵 Display		—
器 NetWork	PID	КН-02
🗢 WiFi	110	
Password	Firmware Ver.	04.023.1.04.010
<b>€→</b> Logout	WIFI AP	KH02_7CC5
🌐 English 🖌	WIFI Mac	b8:27:eb:16:7c:c5
₽ Reboot	WIFLIP	http://192.168.4.1
	RSSI	
	PID	iAeris75
	SNO	I7ES20150000009
	Firmware Ver.	2.01.012
		*
Target iAeris Inf	ormation	o

### Change Account Password

- 1. Click 'Password' in the menu to access Account settings
- 2. Reset User Account[1]
- 3. Reset User Password [2] and confirm the new password
- 4. Password set, you will be logged out of the settings page

sysinno кн	)2
Info	Change Password
🖵 Display	
器 NetWork	Liere Name admin
🗢 WiFi	User Name admin
Password	New Password
€+ Logout	Confirm Password
🕀 English 🖌	
₿ Reboot	Accept

#### NOTES:

[1] If you forget your account password, press and hold the multifunction button for 10 seconds to switch to the default hotspot mode and reset the login account and password

[2] The password must be at least 8 characters long

## **Precautions**



- This product provides general indoor air quality information only and is not intended to determine individual health impacts or serve as a fire alarm.
- Keep the product away from heat sources and areas prone to water splashes or dripping.
- Do not insert external objects into the ventilation holes to prevent sensor malfunction or electric shock.
- Non-technical personnel should not attempt to disassemble, modify, or repair the product.
- Use correct connectors and cables during installation and avoid forcing connectors into ports to prevent damage not covered by warranty.

[Attention] Power Supply Notice: This product is powered using the included power supply or external power source.

#### **Power Supply Specifications:**

The included adapter outputs 5V through a Micro USB connector. Please do not modify or extend the power supply cable, as it may damage the device.

#### [Attention]

- The communication features (RS485, WiFi) of this product are specifically designed for the iAeris air quality detector. Please do not use it for other applications.
- This product uses a Mini HDMI output interface. Please use the correct cable or an adapter to convert it to an HDMI output.
- For setup and installation assistance, please contact your local distributor or sales representative for technical support.

【 Use the correct connectors and ports 】

- Avoid forcing connections. Check for obstructions. Ensure proper alignment.
- Damage from mishandling, like inserting wrong pins, isn't covered by warranty.

#### Prohibition of Hot Wiring

When changing the power source or port terminals, be sure to cut off power before wiring adjustments, and reconnect power only after completing the setup.