

HI-CHECKER User Guide

(Model : HCCS-H64H2C2M)

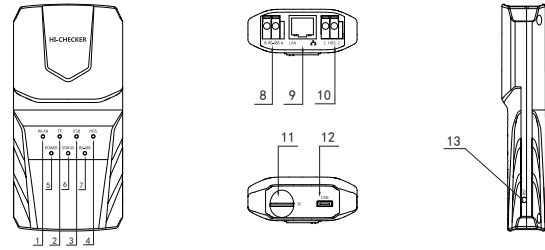
1 Introduction of Product

1.1 Product List:

Sequence. No.	Name	Num
1	Hi-Checker Device	1
2	Rubber sleeve	1
3	Communication Line of Air Conditioner	3m
4	TF Card Case	1
5	TF Card	32G
6	USB Data Cable	1m

1.2 Production Specifications:

Size	65×135×27.7mm
Maximum Connection of Refrigerant system	64
Maximum Connection of Indoor Units	160
Power Requirement	5V==500mA

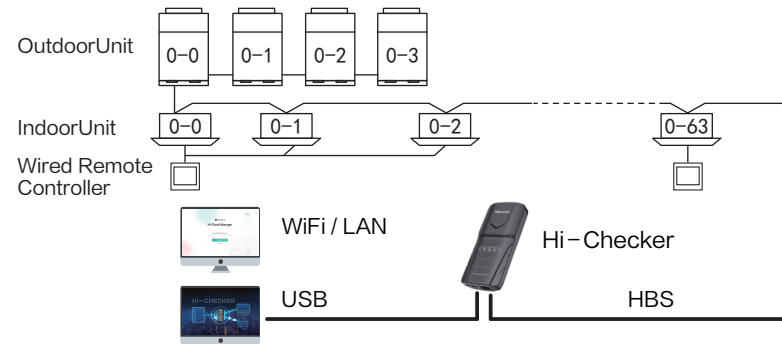


1 WLAN Indicator Light	6 STATUS Indicator Light	11 TF Card Slot
2 TF CARD Indicator Light	7 RS-485 Indicator Light	12 USB Port
3 USB Indicator Light	8 RS-485 Port	13 RST Reset Button
4 HBS Indicator Light	9 LAN Port	
5 POWER Indicator Light	10 HBS Ports	

2 Working Mode

2.1 Normal Working Mode:

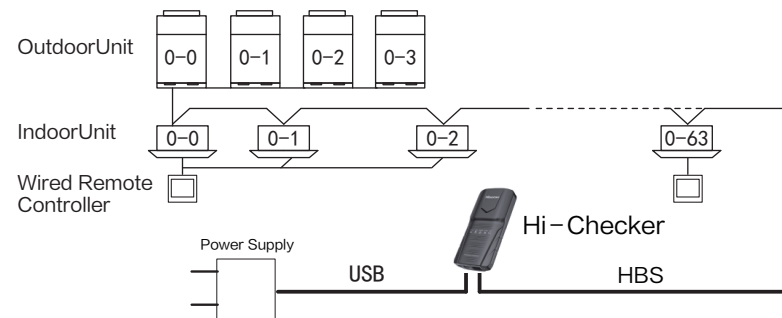
Note: A working mode of Hi-Checker when connected to communication line of air conditioners, using upper computer or web platform for data monitoring. Under this mode, Hi-Check can be Powered by PC via USB.



Normal Working Mode	
DSW1	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON </div> <div style="text-align: center;"> <input type="checkbox"/> 2 ON </div> <div style="text-align: center;"> <input type="checkbox"/> 3 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 4 OFF </div> </div>

2.2 Black Box Working Mode:

Note: A working mode of Hi-Checker when connected to communication line of air conditioners, while air conditioners' running data is stored into TF CARD. These data can be analyzed by upper computer later. Under this mode, Hi-Check can be Powered by PC/ Power Adapter(5V==500mA)/ Portable Power source.



Black Box Working Mode	
DSW1	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON </div> <div style="text-align: center;"> <input type="checkbox"/> 2 ON </div> <div style="text-align: center;"> <input type="checkbox"/> 3 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 4 OFF </div> </div>

3 DIP Switch Check

DSW1 Settings

Working Mode Settings	
Black Box Working Mode	Normal Working Mode (Factory Default)
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>
HBS Fuse Block Settings	
H-Link Fuse Temporary Blocked	H-Link Fuse Enabled (Factory Default)
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>
RS-485 Terminating Resistor Settings	
RS485 Terminating Resistor Enabled	RS485 Terminating Resistor Disabled (Factory Default)
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>

DSW2 Settings

Checker Device address settings			
Addr. 0 (Factory Default)	Addr. 1	Addr.2	Addr.3
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>
Addr.4	Addr.5	Addr.6	Addr.7
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> 1 ON <input type="checkbox"/> 2 OFF </div> <div style="text-align: center;"> <input type="checkbox"/> 3 ON <input type="checkbox"/> 4 OFF </div> </div>

4 LED Status Description

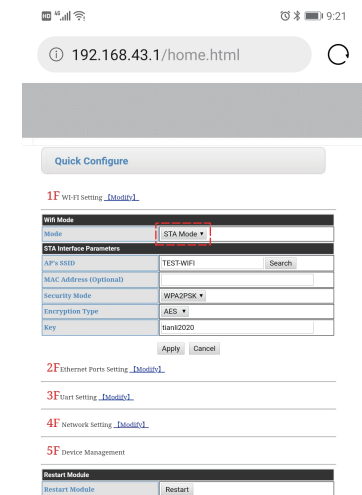
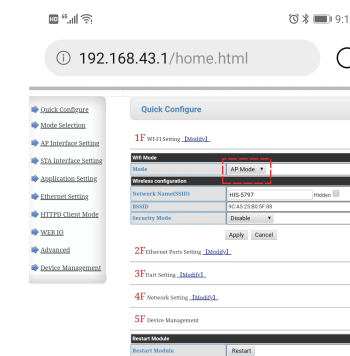
LED	Status Description
POWER	Indicator light is on when Hi-Checker is energized, otherwise the light is off.
TF	Under black box control mode, the indicator light is on when TF card is written properly. Otherwise it will flash at 1Hz. Under Normal working mode, the indicator light is off.
USB	Indicator light is on when Hi-Checker established connection with upper computer. Otherwise the Indicator light is off.
HBS	Indicator light flashes when there is proper comm. between air-conditioners and Hi-Checker.
WLAN	Indicator light is set to indicate the working status of Wifi module. 1. Flashes at 1Hz when Hi-Checker is in the process of network configuration. 2. Turns on when Hi-Checker established connection with web platform. 3. Turns off when Hi-Checker already configured network but hasn't established connection with web platform.
STATUS	Flashes at 1Hz when Hi-Checker is in the process of initialization with air-conditioners. Turns on when the initialization is over. Under other mode, it turns off.
RS-485	Reserved

5 Firmware Upgrade

Hi-Checker device can update its firmware by "Firmware Update" function of upper computer. During the time of firmware update, four LED lights, TF, USB, WLAN, and status, would be lightened in turn. After this procedure, Hi-Checker will reboot automatically.

6 Network Configuration

- Push Hi-Checker's "RST" key for a short time, Hi-Checker turns to Network configuration status, and WLAN LED turns off.
- After executing 3.1, use mobile terminal to search wireless network which is named "HIS-XXXX". The XXXX is the last 4 digits of WIFIID on Hi-Checker's label, use mobile terminal to connect this hotspot.
- Open browser of mobile terminal, and enter URL "192.168.43.1". The browser's pop-up windows will remind user to enter account name as "admin" and password as "admin", and then click log-in.
- After logged in, click the drop down box and choose "STA Mode".
- When choose "STA Mode", the page changes to next page as below automatically.



- Choose available Wifi hotspot. First, click "①Search" button. Second, choose Wifi hotspot's name ② and click "③apply". Last, enter "④password" and click "⑤Apply".
- Click "Reboot" button shown below and wait for 20s. The Network configuration is done when the WLAN LED is on.

