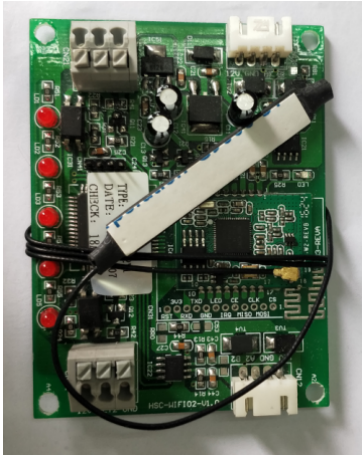

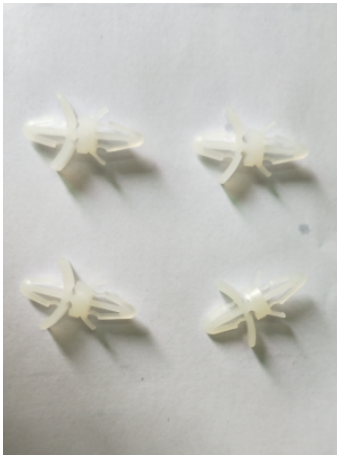


WiFi Module Installation Guide

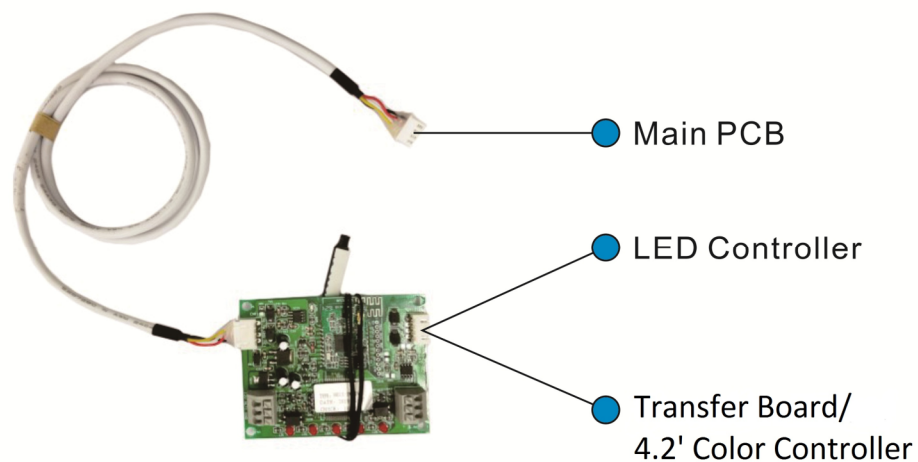
1.Extra WiFi Module Sets

No	Part Name	Spe.	Qty
1	WiFi PCB	ZW02V3	1
2	Cable	TS4-800mm	1
3	Support frame	5A	4

WiFi PCB	Cable	Support frame
		

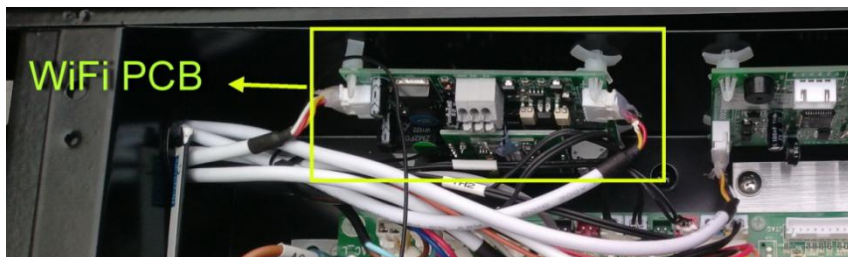
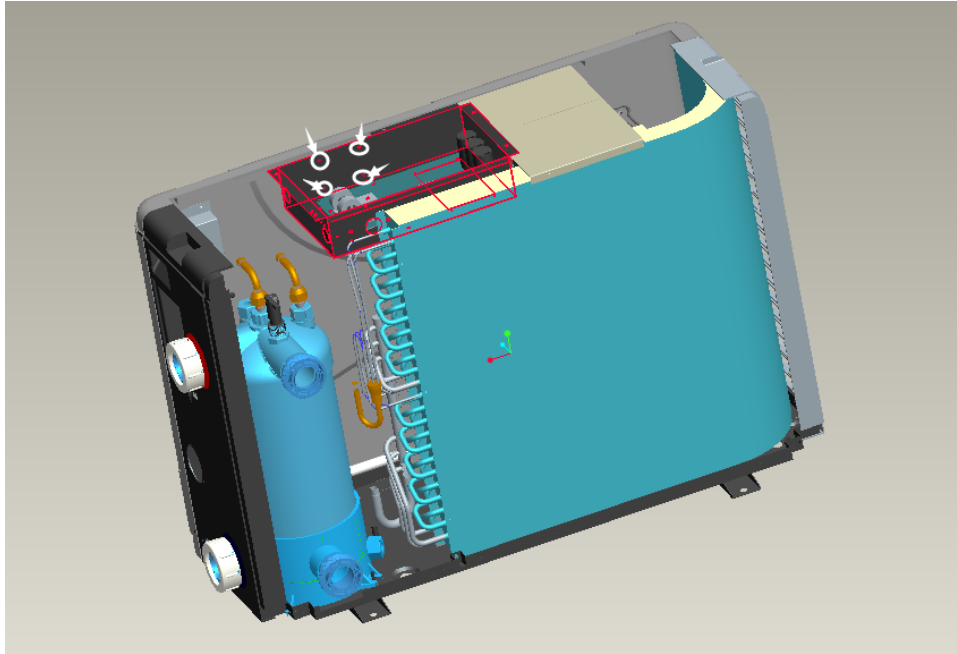
2. Installation Step.

2.2 Firstly,put one end of 0.8m cable on the upper left port of WiFi PCB



2.2 Open the electronic box cover of the machine.

2.3 Fix the WIFI PCB in the reserved holes(white circle) using the 4 pcs support frame, WIFI antenna could be put out through threading hole of the electronic box.

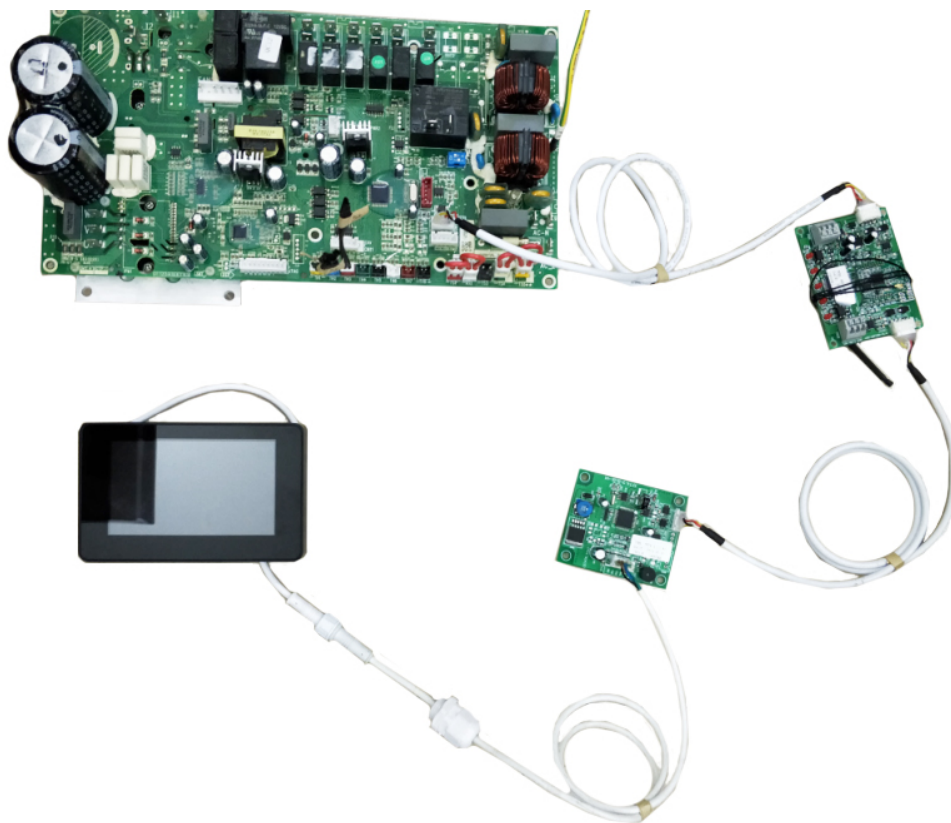
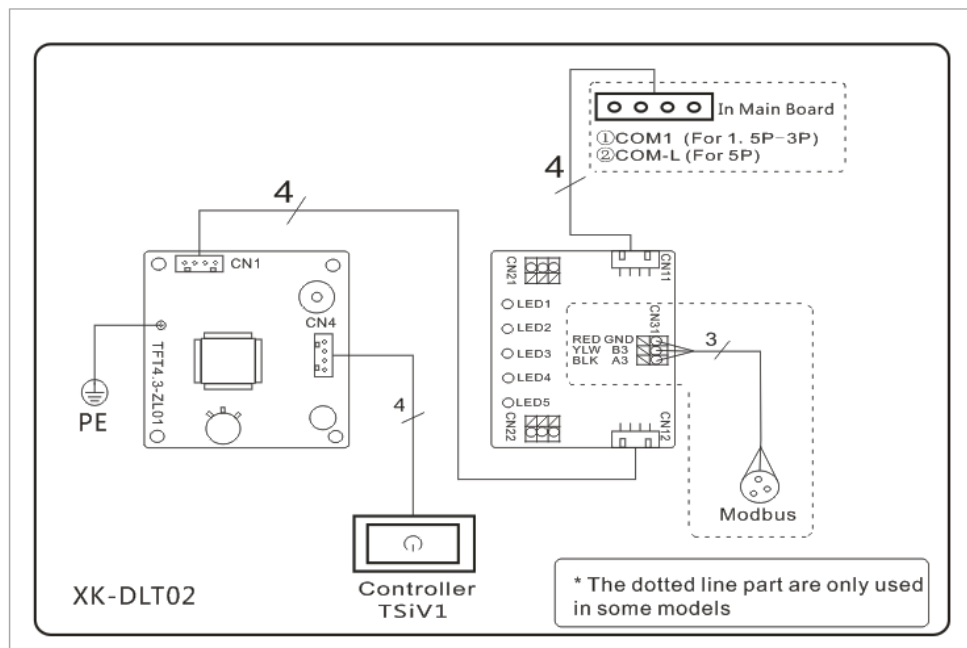


2.4 Take out the cable of transform board from the motherboard as below,



Then connect the cable of transform board in the other end of WIFI PCB,
On the other hand, the 0.8 cable of WIFI PCB will be inserted in the main PCB according to the


below wiring diagram.




2.5 Lastly, put the cover back on the machine.


Instruction of WIFI connection and operation


1.Firstly download WIFI APP (**APP Name: Alsavo Pro**) from App store or Google play in your smart phone.

2.If the heat pump is equipped with WIFI module,  icon in the color display will be long on.

If without WIFI module, there will be a red line on the WIFI icon .

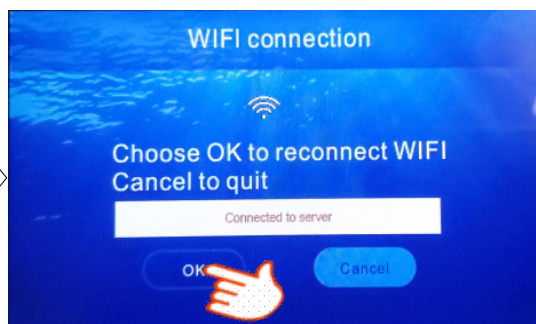
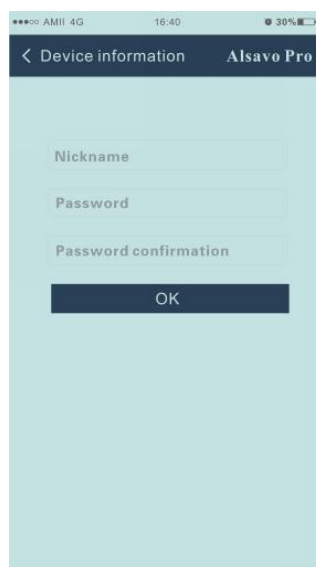
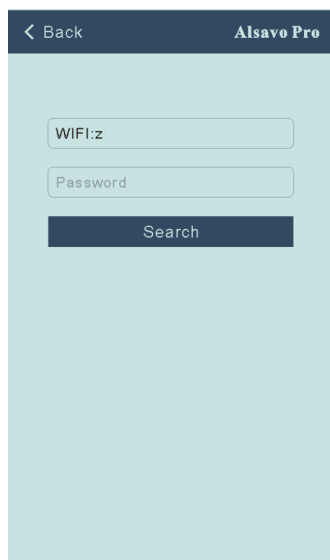
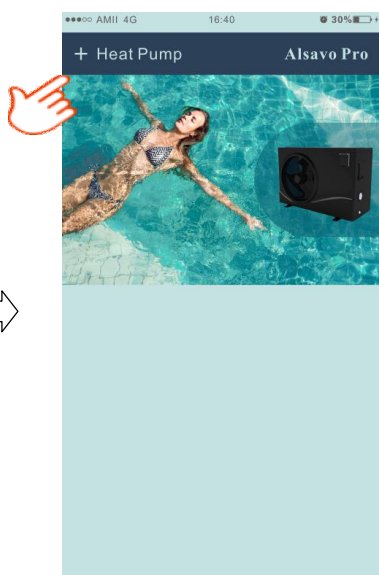
Please open “Alsavo Pro” APP, click “+” on the upper left and select “New device”. Then Click

“Next” and enter the current WIFI password to connect. Press " " 2S on the display to entry WIFI connection and choose ‘OK’.

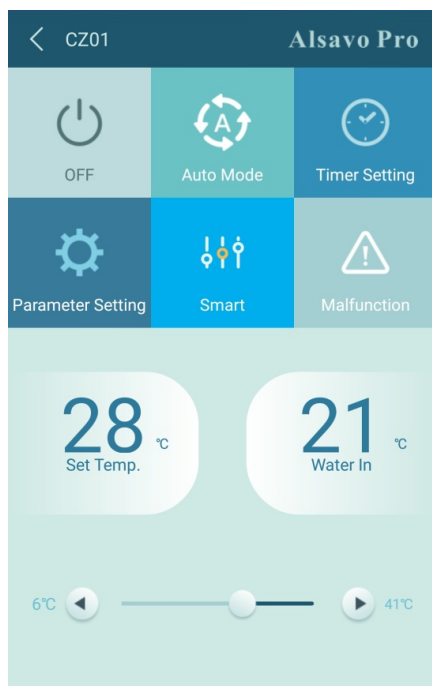
Or you can press " " 2S on the display first, then enter the current WIFI password in your phone.

"Nickname and password" interface only appear one time when a new heat pump is connected successfully. You can name and add encrypt this unit. (This interface may be missing if the wifi network is not steady. You will miss the chance to name and encrypt it. In this case, default password “123456” is available.)

Note: If someone’s APP is in the same WIFI network as yours, his APP could automatically identify your heat pump. And he can operate your heat pump after inputting your password.



3. Operation of 'Alsavo Pro' APP



1) Turn ON/OFF





Click “ ” to turn on or off heat pump.


2) Switch mode

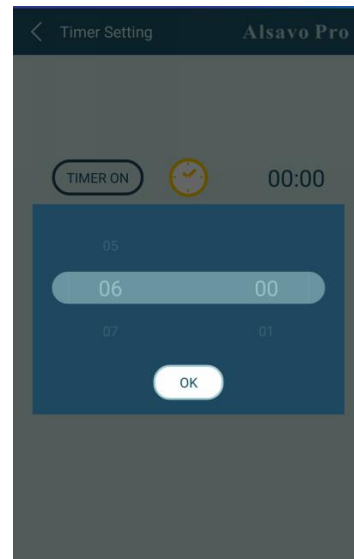
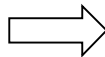
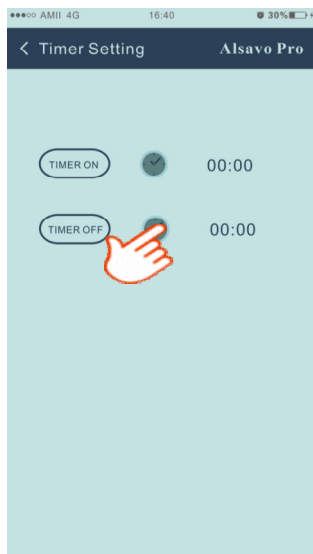
There are three modes (Auto mode, cooling or heating) for the inverboost unit. Click its icons to

switch (Auto mode , heating , cooling )

3) Timer Setting


Click  at first time, it turns . Timer on and off will be activated together. Then choose desired time in “timer on” and “timer off”, lastly click “OK” to confirm.

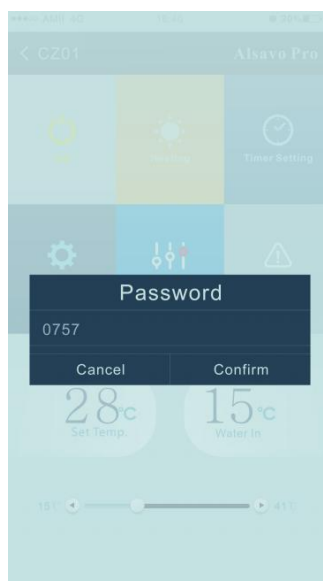
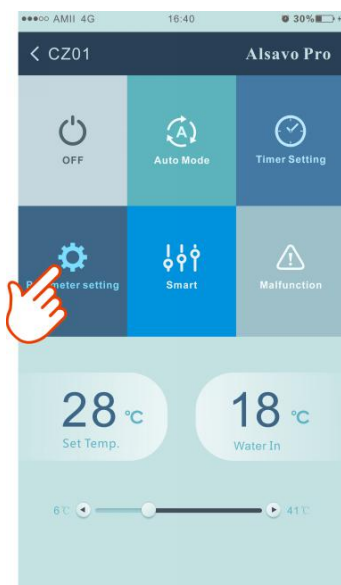
Click “” again, timer on and off will be disable.



4) Parameter checking and setting



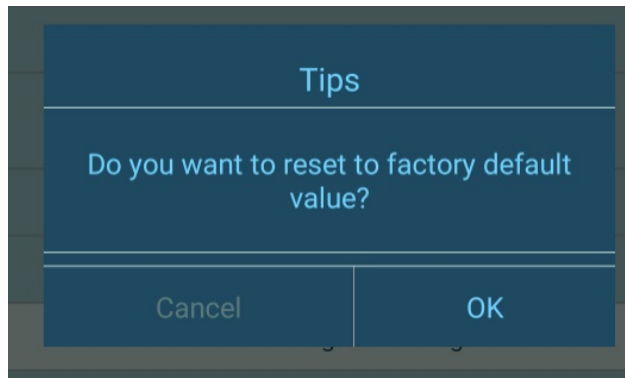
Click Parameter , then enter the password “0757”.



Parameter	Alsavo Pro
Parameter Query	Default
Water In	22℃
Water Out	22℃
Heating piping temperature	22℃
Limited frequency code	0
Ambient temperature	23℃
Exhaust temperature	21℃
Actual steps of electronic expansion valve	350
IPM module temperature	25℃
Compressor running frequency	0Hz
Compressor current	0A
DC fan motor speed	0RPM
Parameter Setting	Range
Water Pump Operating Mode	0 (0~1)
Water Temperature Calibration	8.5℃ (-9.9℃~9.9℃)
Re-set to factory default setting	

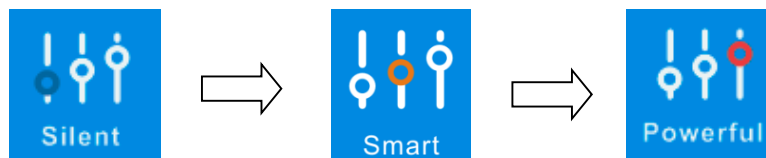
Parameter setting:

- (1) There are 2 modes optional for water pump operation (P03: 1: Always running; 0: Depends on the running of compressor).
- (2) Inlet water temperature calibration. (-9.0 to 9.0℃).
- (3) Temperature unit: ℃ or ℉.
- (4) When you want to reset to factory default setting, tips as below pop up.



5) Switch running modes

In heating or cooling mode, there are 3 running modes (Silent, Smart, Powerful) for options



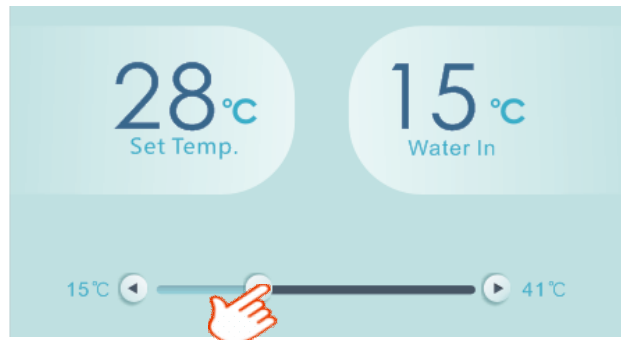
While in Auto mode, its default running mode is Smart.

6) Malfunction

If error occurs, the malfunction icon  turns red . Click it to check the error.

< Malfunction		Alsavo Pro	
Error code	Malfunction		
PP01	Inlet water temperature sensor failure		
PP02	Outlet water temperature sensor failure		
PP03	Heating coil pipe sensor failure		
PP04	Gas return sensor failure		
PP05	Ambient temperature sensor failure		
PP06	Exhaust temperature sensor failure		
PP07	Anti-freezing protection in Winter		
PP08	Low ambient temperature protection		
PP10	Coil pipe temperature too high protection under Cooling mode		
PP11	T2 too low water temperature protection under cooling mode		
EE01	High pressure failure	EE09	Communication failure between PCB and driver board
EE02	Low pressure failure	EE10	VDC Voltage too high protection
EE03	Water flow failure	EE11	IPM Module protection
EE04	Water temperature overheating protection under heating mode	EE12	VDC Voltage too low protection
EE05	Exhaust temperature too high failure	EE13	Input current too strong protection
EE06	Controller malfunction or communication failure	EE14	IPM module thermal circuit is abnormal
EE07	Compressor current protection	EE15	IPM module temperature too high protection
EE08	Communication failure between controller and PCB	EE16	PFC module protection
		EE17	DC fan failure
		EE18	PFC module thermal circuit is abnormal
		EE19	PFC module high temperature protection
		EE20	Input power failure
		EE21	Software control failure
		EE22	Current detection circuit failure
		EE23	Compressor start failure
		EE24	Ambient temperature device failure on Driving board
		EE25	Compressor phase failure
		EE26	4-way valve reversal failure
		EE27	EEPROM data reading failure in Transfer board
		EE28	The inter-chip communication failure on the main control board

7) Temperature setting

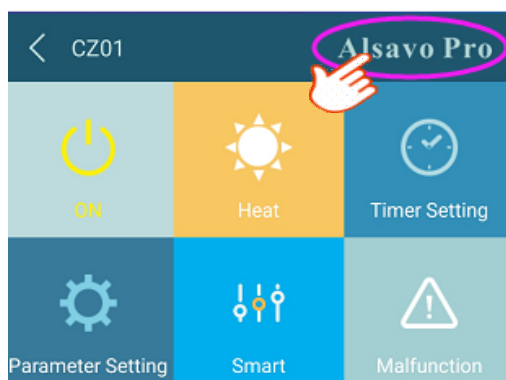


You can set the target water temperature by adjusting the slider or press “◀” or “▶”. The setting water temperature on the controller display correspondingly changes after letting go. When the setting water temperature on the display changes, it will be synchronously updated to the APP.

Note: The water temp setting range under heating mode on APP is 15 - 41 degree, while on display is 6-41 degree in season 2020.


8) Check device information

In the main interface, click the upper right “Alsavo Pro”. The Device information will show up.



< Device information	Alsavo Pro
Serial number	8245 0000 0006
Firmware Version	2.0.1(svn39)
Upgrade package	2.0.1
WLAN SSID	OFFICE
Version	V1.0.59463(59164)

9) Revise the heat pump info in the homepage

Click “”, you could rename, change its password and delete the device.

