







Instruction of WIFI connection




1. Operation


- 1.1 Go to parameter setting  by long pressing .
- 1.2 Press  and  or  to choose parameter P17, then long press  for 15s to set P17=1 (WIFI function).

Parameter	Description	Scope	Default value	Remarks
P17	WIFI or Modbus	0-1	1	0:Modbus 1:WIFI

1.3 Final step is to download WIFI APP (**APP Name: Alsavo Pro**) from App store or Google play in your smart phone.

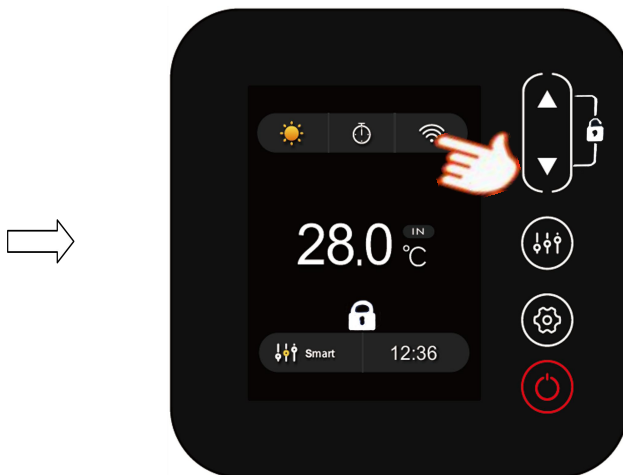
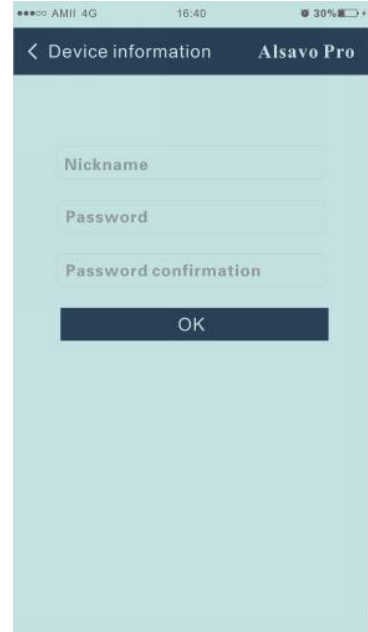
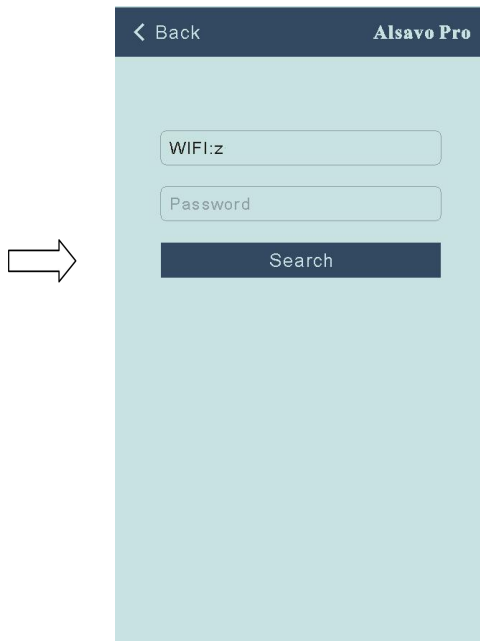
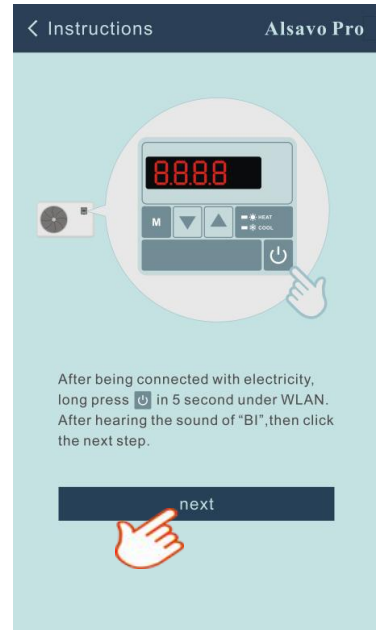
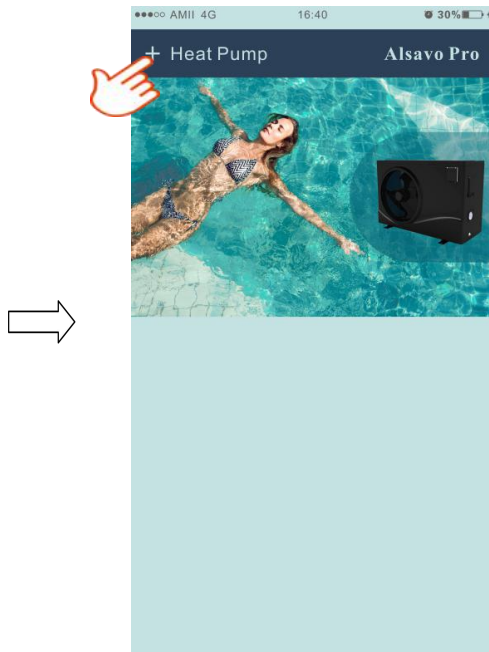
2. Connection to WIFI app

- 2.1 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 "" 5S on the display no matter it's ON or OFF until  is flashing.
Or you can press "" 5S on the display first, then enter the current WiFi password.

If the connection is successful,  stops flashing.
If the connection fails, the APP will indicate “Failed to connect device”.

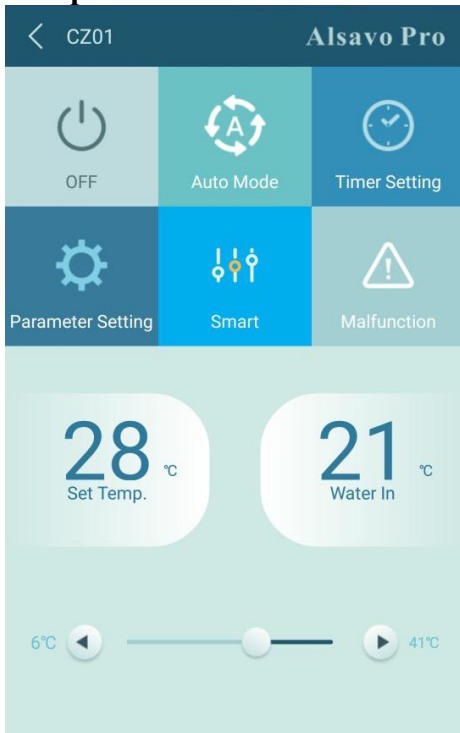
2.2 "Nickname and password" interface only appear one time when a new heat pump is connected successfully. You can name and add encrypt this unit. (This interface may be missing if the wifi network is not steady. You will miss the chance to name and encrypt it. In this case, default password “123456”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




Press and hold 5 second until  is flashing




3. Operation of WIFI APP






1) Turn ON/OFF

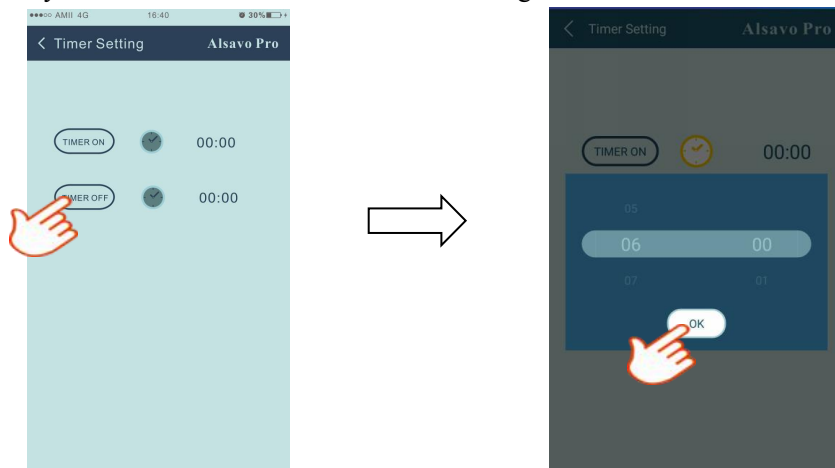
Click  to turn on or off heat pump.

2) Switch mode


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

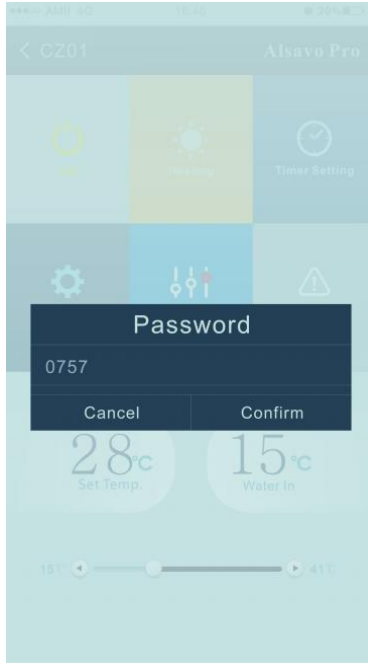
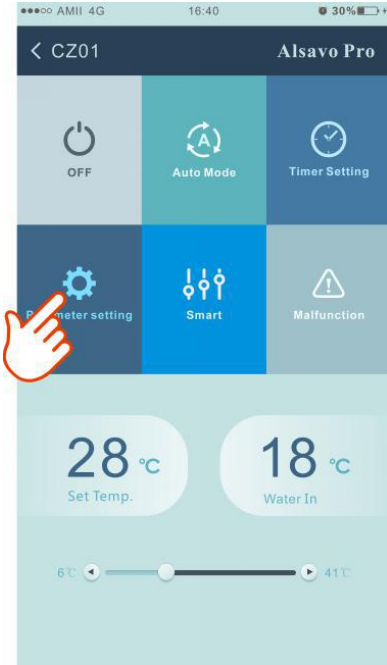
3) Timer setting

Click , 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 to cancel.



4) Parameter checking and setting

Click Parameter , then enter the password “0757”.



Parameter		Alsavo Pro
Parameter Query		Default
Water In		22 °C
Water Out		22 °C
Heating piping temperature		22 °C
Limited frequency code		0
Ambient temperature		23 °C
Exhaust temperature		21 °C
Actual steps of electronic expansion valve		350
IPM module temperature		25 °C
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 °C (-9.9 °C~9.9 °C)
Re-set to factory default setting		

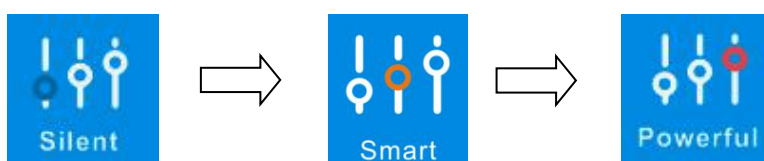
Parameter setting:

- (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°C).
- (3) Temperature unit: °C or °F.
- (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	Error code	Malfunction
PP01	Inlet water temperature sensor failure	EE09	Communication failure between PCB and driver board
PP02	Outlet water temperature sensor failure	EE10	VDC Voltage too high protection
PP03	Heating coil pipe sensor failure	EE11	IPM Module protection
PP04	Gas return sensor failure	EE12	VDC Voltage too low protection
PP05	Ambient temperature sensor failure	EE13	Input current too strong protection
PP06	Exhaust temperature sensor failure	EE14	IPM module thermal circuit is abnormal
PP07	Anti-freezing protection in Winter	EE15	IPM module temperature too high protection
PP08	Low ambient temperature protection	EE16	PFC module protection
PP10	Coil pipe temperature too high protection under Cooling mode	EE17	DC fan failure
PP11	T2 too low water temperature protection under cooling mode	EE18	PFC module thermal circuit is abnormal
EE01	High pressure failure	EE19	PFC module high temperature protection
EE02	Low pressure failure	EE20	Input power failure
EE03	Water flow failure	EE21	Software control failure
EE04	Water temperature overheating protection under heating mode	EE22	Current detection circuit failure
EE05	Exhaust temperature too high failure	EE23	Compressor start failure
EE06	Controller malfunction or communication failure	EE24	Ambient temperature device failure on Driving board
EE07	Compressor current protection	EE25	Compressor phase failure
EE08	Communication failure between controller and PCB	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

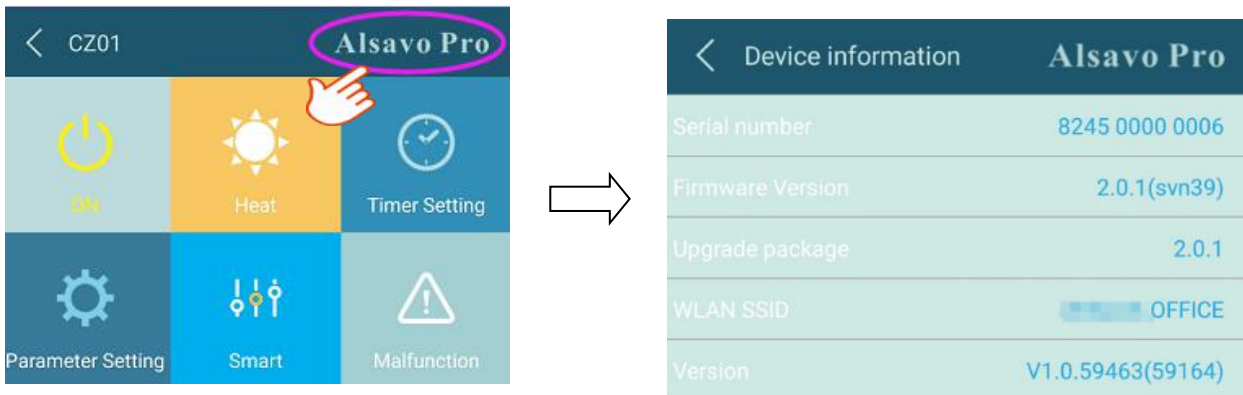
7) Temperature setting



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.

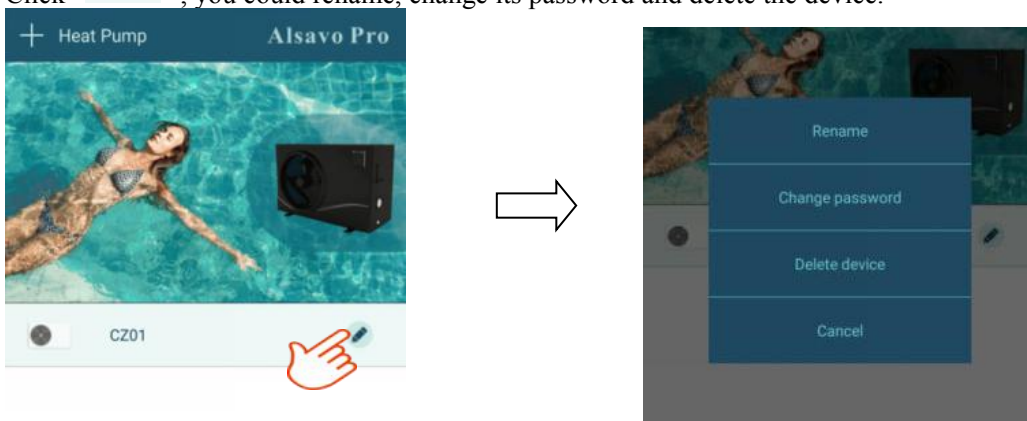
8) Check device information

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



9) Revise the heat pump info in the homepage

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



In communication, the application acts as a master, while the screen is displayed as a slave:

- (1) When the parameters are modified in the application, it will be updated on the screen.
- (2) When the parameters change on the screen, it will also be updated in the application.