



- ① ON/OFF Key
- ② Fuel Level reset
- ③ SET Key
- ④ LCD Displayer
- ⑤ Adjust knob

## Run Mode declaration

The AirHeater have manual set the output power mode and automatic constant temperature mode, in the automatic mode the heater by the temperature difference with setting and room, automatic adjust the output power. In the manual mode the adjustable power range for Level 1 ~ 10, In the automatic mode the setting temperature adjustable for 8 ~ 36 °C

## Instruction

- Turn ON/OFF the Heater : Clicked the ON/OFF Key to turn ON or OFF the heater
- Change the Run Mode : Clicked the adjust knob to change the run mode for the heater. it will Loop at manual Mode and automatic mode
- Output power Level or setting temperature adjust : In the manual mode turn the knob to adjust the output power and the power level is show in the bottom of displayer. in the automatic mode turn the knob to adjust can adjust the setting temperature. the displayer while show the set temperature by blink;
- Remote controller authorization: while heater On status, at the same time pushed the SET key and ON/OFF key greater than 3s until the displayer show En00, then turn the knob clockwise to show En08, next pushed the adjust knob greater than 3s until the displayer show P1. In this function the P1 can pair the adjust up key in the remoter, P2 can pair the adjust down key in the remoter, P3 can pair the Mode change key in the remoter, P4 can pair the ON/OFF key in the remoter.**
- Bluetooth Password setup: the first run the AirheaterBLE app open the setup dialog in the password option set new password save and exit the dialog. then turn on the heater, next at the same time pushed the SET key and ON/OFF key greater than 3s until the displayer show En00, then turn the knob clockwise to show "bLE" on center and 4 digital number (default:1234) password in the top right corner, next pushed the adjust knob greater than 3s until the password is blinking. when display SUC the new password setup succeed.
- Fuel level reset: while heater On status, pushed the FUEL LEVEL RESET key greater than 7s
- Fuel tank capacity setting: while Heater On status, pushed SET key greater than 4s until displayer show F0 on the top left corner and time on the top right corner of displayer. turn the knob clockwise to show F6 .click the knob into setup mode and the capacity value is blinking. turn the knob can adjust the capacity value in 5 to 50L by 5L/ step. when display "—" mean disable this fuction. click the knob again to save the setup value. (dafalut is 10L)
- Flow rate of electromagnetic pump setting: while Heater On status, pushed SET key greater than 4s until displayer show F0 on the top left corner and time on the top right corner of displayer. turn the knob clockwise to show F7 .click the knob into setup mode and the flow rate is blinking. turn the knob can adjust the flow rate value in 16-22-28-32 click the knob again to save the setup value and exit edit mode.
- Time Setting: while Heater On status, pushed SET key greater than 4s until displayer show F0 on the top left corner and time on the top right corner of displayer. turn the knob clockwise can Looped display F0-F1-F2-F3



In a Fx option clicked the knob into edit mode and clicked the knob can select the set option, click the ON/OFF key to exit edit mode. in the edit mode the display blink the set data the running time set range 0.5 ~ 10 hour, set step 0.5 hour, while Timer switch display t-on the Timer is enable, display t-off the Timer is disable.

- Intelligent start-stop mode: while Heater On status, pushed SET key greater than 4s until displayer show F0 on the top left corner and time on the top right corner of displayer. turn the knob clockwise to show F9, next click the knob, the displayer blinking the oF or on, turn the knob can looped display at AUon(enable the Intelligent start-stop mode) or AUoF (disable Intelligent start-stop mode). click the knob again to save and exit edit mode.
- Select Laugage: while Heater On status, pushed SET key greater than 4s until displayer show F0 on the top left corner and time on the top right corner of displayer. turn the knob clockwise to show F4, next click the knob, the displayer blinking the select language, turn the knob can looped display at C(Chinese) or E(Englist) or R(Russian) or -(mute), click the knob to save the selected laugage
- Execute pumping Fuel programme independent: Unplug the control panel and press the FUEL LEVEL RESET key, then plug in the control panel, the control panel will be powered self-test, about 15s until the screen shows the tank and oil pump icon then release the key. The pumping program automatically stops or closes the control panel after 180s to terminate the pumping program

⚠ when execute this programme attention don't pumping too much fuel into the heater

## Fault Code Table

when the heater fails, the corresponding logo will blinking in the displayer, at the same time the fault code display in the displayer. the fault cause and solution refer to in the table below

ErrorCode	Falut cause	solution
E01	Startup failure	Check the fuel tank whether empty and add it or Check the fuel pipe whether blocked
E02	Lack of fuel	Check the fuel tank whether empty and add it
E03	Supply Voltage Overrun	check the battery output voltage whether between in 9V and 16V for the 12V Heater and between 18V and 30V for 24V Heater
E04	Outlet sensor falut	Check the sensor plugin whether disconnected if not replace it with a new one
E05	Inlet sensor falut	replace the ECU
E06	pulse pump falut	Check the pump plugin whether disconnected if not replace it with a new one
E07	Fan fault	Check the Fan plugin whether disconnected if not replace it with a new one
E08	Ignition unit fault	Check the Ignition plugin whether disconnected if not Replace it with a new one
E09	Overheating	Check the air inlet and outlet whether block
E10	Overheat sensor fault	Check the sensor plugin whether disconnected if not replace it with a new one

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