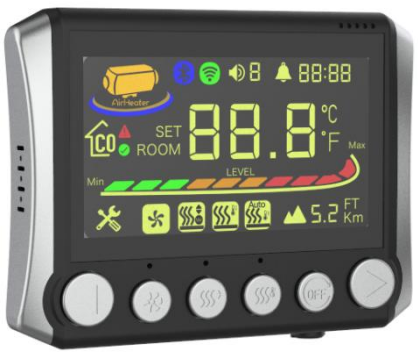
XMZ-TB10 max Instructions

Overall display: Working mode:



1. In gear mode, the gear can be adjusted and set within the range of 1-10 gears;
2. In temperature control mode, the set temperature can be adjusted within the range of 8-36 ℃. The gear of the control switch changes with the temperature inside the cab. When the temperature rises or falls, the control switch will automatically adjust the operating gear to quickly reach the set temperature, making the heater run more intelligently and economically;
3. When a fault occurs during operation, the control switch will display a flashing fault code in the display window to facilitate a more accurate and intuitive identification of the fault location;
4. Left adjustment key, ventilation key, gear key, temperature control key, right adjustment key;
5. After two minutes of inactivity, the screen brightness will automatically decrease to the set screen brightness,

Key operation instructions					
Left adjustment key ◁	Ventilation mode key ❁	Gear mode key	Temperature control mode key	Shutdown button OFF	Right adjustment key ▷
Switch data items	Press to set the basic setting mode	Press to directly enter gear mode and run in shutdown mode	Press to enter temperature control mode directly while in shutdown mode for operation	Press and hold for 3 seconds after turning on to enter basic settings	Switch data items
Temperature/gear (decrease)				Press and hold to clear remote control matching during power on self-test	Temperature/gear (increase)
Press and hold for 3 seconds to pump oil when powering on and off for the first time	Press and hold for 3 seconds in the power on state to enter ventilation		Press when the constant temperature mode switch is turned on	Press to return to the main running interface under various settings items	Turn off and press for 3 seconds to enter remote control matching
Press and hold for 3 seconds when turning on to enter quick voice switching			Switch between temperature control and constant temperature mode		Press and hold for 3 seconds on startup to enter temperature switching
✓	Press and hold for 3 seconds while in power on mode to enter engineering mode				✓

Detailed operating instructions

- ON/OFF: the corresponding key in the shutdown state to enter the corresponding mode for startup and operation; Press [ ] to enter gear mode and start running. Press [ ]

Start up and run in temperature control mode;

- Mode switching: Press [ ]/[ ] to switch between gear mode and temperature control mode when turned on; When the constant temperature mode switch is turned on, press [ ] to switch between temperature control and constant temperature mode.
- Gear adjustment: Press [▷] to run gear/temperature+1, up to 10 gears/36 ℃, press [◁] to run gear/temperature -1, down to 1 gear/8 ℃;
- Basic settings: After booting up, long press [OFF] for 3 seconds to enter the basic settings interface. Press [▷] to adjust item+1, and press [◁] to adjust item -1. The interface displays the following specific data for the settings:

  F0: current time; F1: Self start time; F2: Running time [after self start];

  F3: Self start switch setting; F4: Language switch [- E English, - C Chinese, - r Russian, - Voice off];

  F5: Temperature compensation 【range -9 ℃~+9 ℃】;

  F6: Fuel tank volume [5-50L (switching units to 5L)] [Display - represents not monitoring fuel tank condition];

  F7: Oil pump type [16/22/28/32UL (default to 22UL)];

  F8: Constant temperature heating switch; (In temperature control mode, when the cab temperature reaches the set temperature, it will automatically shut down after a delay of 30 seconds; when the cab temperature is 2 ℃ lower than the set temperature, it will automatically start up after a delay of 30 seconds)

  F9: Celsius ℃/Fahrenheit °F switching FA: Altitude switching (m/ft); Fb: Screen brightness 【5-90】;

  Press [❁] to modify, press [◁]/[▷] to modify data, press [❁] again to confirm the current item setting is complete, then press [OFF] to return to the running interface;
- Quick temperature switching: Press and hold the 【❁】 key while turning on the device; Switch between °F/℃;
- Quick language switching: Press [◁] for 3 seconds in startup mode to enter F4: Language switching interface: Press [❁] to set; Press [▷] to modify the current language item ([-] for voice off, [E] for English, [G] for German, [r -] for Russian);
- Ventilation mode: Press and hold 【❁】 for 3 seconds in the power on state to enter ventilation mode; (This function is used in conjunction with the accompanying motherboard);
- Engineering mode: Press and hold []/[] simultaneously for 3 seconds while turning on to enter engineering mode. Press [] item+1 and adjust item -1. The interface displays the specific data of engineering mode as follows:

  En00: heater motherboard version number [scrolling display] En04: heater operating gear

  En01: Fault code [see table below for details] En05: Driver's cab temperature

  En02: Shell temperature En06: Altitude

  En03: Power supply voltage

  En07: Manual pump oil

  En08: Remote control matching

  En09: Bluetooth matching
- Quick oil pumping: When the heater motherboard is powered on and turned off for the first time, long press [◁] for 3 seconds to enter the oil pumping mode. The screen displays a 300s countdown to start pumping oil. After the countdown ends, it will automatically exit and shut down. Press [OFF] halfway to exit the oil pumping mode and shut down,
- Quick remote control matching: In the shutdown state, press [▷] for 3 seconds and the screen will display "P-1". Press any key on the remote control to successfully match and shut down the device;

  ✧Clear last remote control matching data: During power on self-test, press and hold the 【OFF】 interface to display "CLr" to start clearing. When the interface displays "SUC", clearing is successful.

Bluetooth matching

◊ Open the mobile phone applet or APP, click the setting key, set the 4-digit password, and then adjust the switch to enter the engineering mode En09. The interface displays "bLE" and long press [❁] for 3s. The Bluetooth name in the upper right corner changes to display the setting password, and automatically returns to the operation interface after successful matching;

When entering engineering mode, En09 will display "bLE" on the interface, and the Bluetooth password for the switch will be displayed in the upper right corner. On the mobile end, set the Bluetooth password to be the same as the switch Bluetooth password in the settings item of the mini program or APP, and save it to connect;

Fault display: When the heater malfunctions, the display area flashes a fault code, and the fault type is shown in the table below;

Fault codes	fault type	Troubleshooting
E-01	Abnormal voltage	Check if the voltage type of the heater supply matches the actual vehicle voltage; Check if the power supply voltage of the 24V version is higher than 32V or lower than 18V; 12V version; Check if the power supply voltage is higher than 18V or lower than 9V; Check if there is any looseness or virtual connection at the main harness connector;
E-03	Abnormal ignition plug	Check if the ignition plug is connected improperly; Igniter plug malfunction, replace the ignition plug; Main board malfunction, replace the main board;
E-04	Abnormal oil pump	Check if the oil pump plug is loose or connected in a virtual manner; Check if there is an open circuit in the main harness; Oil pump malfunction, replace oil pump;
E-05	Overheat protection	The furnace temperature sensor model is incorrect or faulty, replace the sensor; Main board malfunction, replace the main board;
E-06	Fan abnormality	Check if the fan impeller is stuck; Check if the fan plug is loose or connected improperly; Fan malfunction, replace the fan; Check if the induction magnet of the wind turbine is missing or has incorrect polarity; Check if the motherboard wind speed sensor is functioning properly; Main board malfunction, replace the main board;
E-08	Lack of fuel and stalling	Check if the fuel tank is short of oil;
E-09	Overheat protection sensor	Check if the temperature sensor connector is loose or poorly connected; Sensor malfunction, replace the motherboard; Main board malfunction, replace the main board;
E-10	Secondary startup failure	Check if the oil pump is working; Check whether the interfaces of the oil circuit are waxed or blocked;

微信小程序

苹果（IOS）APP索‘airHeaterBle’

安卓（Android）APP

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment