

产品	HDv-KC1-ACE-000	适用型号	HDv-E600/610 全系列	保密等级	<input checked="" type="radio"/> 公开 <input type="radio"/> 内部分享 <input type="radio"/> 保密
				文档编号	
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<p>■ This document uses the following equipment and tools:</p> <ul style="list-style-type: none">✚ VFD: HDv-E600-2S0.4B-000✚ IM Motor: 51K60A-YF 【3Phase-AC220V-0.2KW】✚ CAN-type External Keyboard: HDv-KC1-ACE-000					
<p>■ Function description</p> <p>HDv-E600/610 series of VFD fully supports CAN-type external keyboards. This document explains the key functions, main menu, parameter settings menu, and special menu descriptions for the CAN-type external keyboard.</p>					
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● External Keyboard User Guide

1: Key Descriptions

- AXIS (Multi-axis Key): Reserved;
- FN (Multi-function Key): Executes P10.02 setting function; (P00.02=2; P00.03=9; P15.00=2)
- Up/Down/Left Keys: Shift keys;
- OK Key: Confirmation key—confirms parameter changes or function execution;
- Start Key: Boot
- Stop Key: Stop/Fault reset key (Note: FAL01 open-circuit faults cannot be reset);
- Knob: Increases values clockwise, decreases counterclockwise
- ESC: Return key

2: Main Menu

- After the keyboard is powered on and the CAN communication is successfully connected, monitoring parameters will be displayed. The parameters blink when the system is stopped and remain steadily lit when the system is running. The specific monitoring parameters displayed are controlled by P10.05 (LED display parameters during stop) and P10.03, P10.04 (LED display parameters during operation).

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3: Parameter Setting Menu

- Level 1: P00
- Level 2: P00.00 (selected digit blinks)
- Level 3: P00.00 1 (writable selected digit blinks)

4: Special Menu Instructions

Entry method: Press and hold the ESC key for two seconds.

Return method: Briefly press the ESC key.

Execute the selected function: Press the OK key.

Display instructions:

- up (Upload): Select the storage area (UP-00 to UP-04) → Display result "DONE" → Exit (press OK or ESC).
- dn (Download): Select the storage area (dn-00 to dn-04) → Display result "DONE" → Exit (press OK or ESC). (Note: If the selected storage area is empty, the panel will report an error, and the keyboard needs to be powered off and reconnected.)
- dE: Check if the LED screen is faulty (Press ESC to exit).

5: Button Error Explanations and Fault Reset

The Stop button functions as the fault reset button and can reset resettable faults on both the keyboard and the inverter.

- **FAL01**: Communication interruption, non-resettable.
- **SD FAL**: SD card mount failure.
- **FAL02**: EEPROM read error.
- **FAL03**: EEPROM write error.
- **FAL04**: Insufficient EEPROM space.
- **FAL05**: File system error.
- **FAL06**: Tuning error.
- **FAL50**: Multi-host error.

External keyboard controls start/stop, knob controls frequency

1. 设置电机参数和控制模式及其相关参数;
2. 变频器控制命令来源设为通讯控制 【P00.02=2】
3. 变频器频率命令来源设为通讯设定 【P00.03=9】
4. 变频器通讯类型为 CANOPEN 卡 【P15.00=2】
5. 转动旋钮控制频率至 50.00Hz
6. Set motor parameters, control mode, and related parameters.
7. Set the inverter control command source to communication control [P00.02=2].
8. Set the inverter frequency command source to communication setting [P00.03=9].
9. Set the inverter communication type to CANopen card [P15.00=2]
10. Rotate the knob to set the frequency to 50.00 Hz.
11. Press the  【FUN】 key on the keyboard. The inverter panel will change from blinking at 50.00Hz to a steady display (no blinking).

The VFD will start accelerating according to the acceleration time set in parameter [P00.13], operating until it reaches the frequency value set in preset frequency [P00.12]. It will then maintain constant-speed operation at the frequency set in [P00.12].

12. Press the  【R/STOP】 key on the keyboard

The inverter will start decelerating according to the deceleration time set in parameter [P00.14]. After decelerating to 0.00Hz, it will shut down. Once stopped, the panel will display 50.00Hz with the frequency blinking.