

Brushless Four-Button Operation Guide (V26, V28)

1 – Power on to display the current speed: Tap + or – to modify the current speed, wait for the display to read **OK** setting to complete.

Press the N key briefly to switch between the upper and lower positions, showing that **UP** is the upper position, and the display **DN** is the lower position setting is completed.

Press and hold the R key for 5 seconds to enter the function setting and then press the R key short to enter the function setting.

1. Display U0; Speed limit display 5-70; Press + or – to modify to show that the **OK** setting is complete.
2. U1 needle stop switch, “ON” open, “OF” closed. Short press + or – to modify to show OK Setup complete. (If the needle stopper is not installed, it needs to be set to “OF” to close, otherwise the fault E5 or E6 will be reported, and the needle stopper needs to be turned on “ON”, otherwise the up and down needle stop will not work.) Default OF.
3. U2 motor steering, “0” rotation; “1” reversal; Short press + or – to modify to show **OK** Setup complete.
4. U3 set the needle stop parameter, 8-99, the smaller the value, the slower the needle stop speed, and the needle stop position is more accurate. The higher the number, the faster the needle stop. Note: When the ratio of motor wheel to sewing machine wheel >1:3, increase the value appropriately. The needle will not stop accurately, or the motor will slow down and stop if the value is too large. Short press + or – to modify to show **OK** Setup complete. Default 12.
5. U4 is the motor needle filling function “0” is no needle supplement, “1-9” is the number of needle supplement. Short press + or – to modify to show **OK** Setup complete. Default 0.
6. U5 setting speed; “0” for fast speed, “9” for slow speed, short press + or – to modify, show **OK** setting complete. Default 3.
7. U6 dot pin parameters; 0-9 pins, short press + or – to modify, display **OK** setting complete. Default 5.
8. U7 replaces factory parameter settings; Long press N to display **OK** to save.
9. U8 for motor aging program users please do not open.
10. U9 ratio setting; The motor with the gearwheel installed must be set to “1” and the normal motor to “0”. (If the normal motor is set to “1”, the motor equipped with the positioner will not stop.) Short press + or – to modify to show **OK** Setup complete.

Controller Fault Code Description

- Err1:** Locked-motor protection. Check that the motor plug is in good contact.
- Err2:** Overcurrent, undervoltage, and PCB moisture.
- Err4:** The motor commutation Hall signal is abnormal.
- Err5:** The signal on the upper pin position is abnormal, press the N key to recover.
- Err6:** The signal at the lower pin position is abnormal, press the N key to recover.