**Operating Instructions**

**The main function of the knob：**

**Clockwise or counterclockwise is the selection operation, and pressing the button is the confirmation operation.**



**Menu function introduction**

|  |  |  |
| --- | --- | --- |
| **Menu options** | **Next level menu** | **Explanation** |
| **home page** |  | **Display nozzle and hot bed set temperature and current actual temperature, fan speed, print speed and print time, XYZ coordinates, etc.** |
| **prepare** | **Back to Home page** |  |
| **Moving axis** | **Move the X,Y,Z axis,extruder manually through the knob, there are 3 numerical options, respectively 10MM/1MM/0.lMM**  **（Note: The extruder can only be moved after the nozzle is heated）** |
| **Zero point** | **X, Y, Z axis zero return** |
| **Set home offset** | **No need to set** |
| **Close stepper motor** | **After turning off the motor, you can manually move the X, Y, and Z axes** |
| **Change filament** | **Change PLA** |
| **Change ABS** |
| **Cool down** | **Nozzle or hot bed cool down** |
| **Preheat PLA** | **Different material preheated nozzles and hot bed temperatures are different (PLA: nozzle 200 degrees Celsius, hot bed 50 degrees Celsius, ABS: nozzle 230 degrees Celsius, hot bed 90 degrees Celsius)** |
| **Preheat ABS** |
| **Power off** |
| **Power off** | **Power off** |
| **control** | **Back to Home page** | **Usually no operation is required, it is recommended to use the default value, it is not recommended to modify** |
| **temperature** |
| **movement** |
| **reset** | **reset** |
| **Manu** | **Print from screen** | **Select the file in gcode format for printing on the SD card, and finally save the file saved in the card in the first line.** |
| **Pause printing** | **Pause printing** | **You can choose to pause printing while printing, and then continue printing the model.** |
| **Stop printing** | **Stop printing** | **After you choose to stop printing, you can not continue to print the original model.** |
| **Adjustment（Options that only appear when printing is in progress)** | **speed** | **Adjust print speed percentage** |
| **nozzle** | **Adjust nozzle temperature** |
| **Hot bed** | Adjusting the temperature of the hot bed |
| **Fan speed** | **Adjust fan speed** |
| **Extrusion speed** | **Adjust extruder speed percentage** |
| **Reload** | **During the Printing process If the filament need to be replaced, you can select this operation and continue to print the model after replacement.** |

**Preheating before printing**

**After boot, the LCD screen display interface is as follows, the first time to use or need to change printing consumables, need to preheat the nozzle, press the button to select "prepare"-"preheat PLA / ABS"-"preheat PLA / ABS" , insert the consumables or replace the consumables when the temperature reaches the set temperature, and then you can start printing.**

 

 