🌐 Choose Language (Translated by google)

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Brief of the Control Panel

Intruduction of menu

```
1. Title bar        2. Menu bar      3. Status bar       4. Control knob
5. Printing Menu    6. Prepare Menu  7. Setup Menu       6. Information Menu
```

Operation of the knob

- **Press:** Execute command / Enter menu.
- **Rotate clockwise:** Increase the value / Move to the next menu item.
- **Rotate anti-clockwise:** Decrease the value / Move to the pervious menu item.

LCD Menu Description

Main Menu

Title	
LOGO	
Print from SD card	Prepare to print
Machine Settings	Machine Information
Nozzle Temperature	Hotbed Temperature
Printing Speed	Current Z position

1. LOGO	2. Print from SD card	3. Prepare to print
4. Machine Settings	5. Machine Information	6. Nozzle Temperature
7. Hotbed Temperature	8. Printing Speed	9. Current Z position

Printing status Menu (Hotend Type set to "Non-mixing�?

Title
Printing file name and Progress bar
Extruder Status and FAN Speed
Printed time and Remain time
Printing controller

Set parameters	Pasue&Resume Printing	Stop Printing
Nozzle Temperature		Hotbed Temperature
Printing Speed		Current Z position
Status Message Bar		

1. Titel
3. Extruder Status and FAN Speed
4. Printed time and Remain time
6. Pasue&Resume Printing
6. Stop Printing
8. Hotbed Temperature
9. Printing Speed
12. Status Message Bar

2. Printing file name and Progress bar

5. Set printing parameters

7. Nozzle Temperature

10. Current Z position
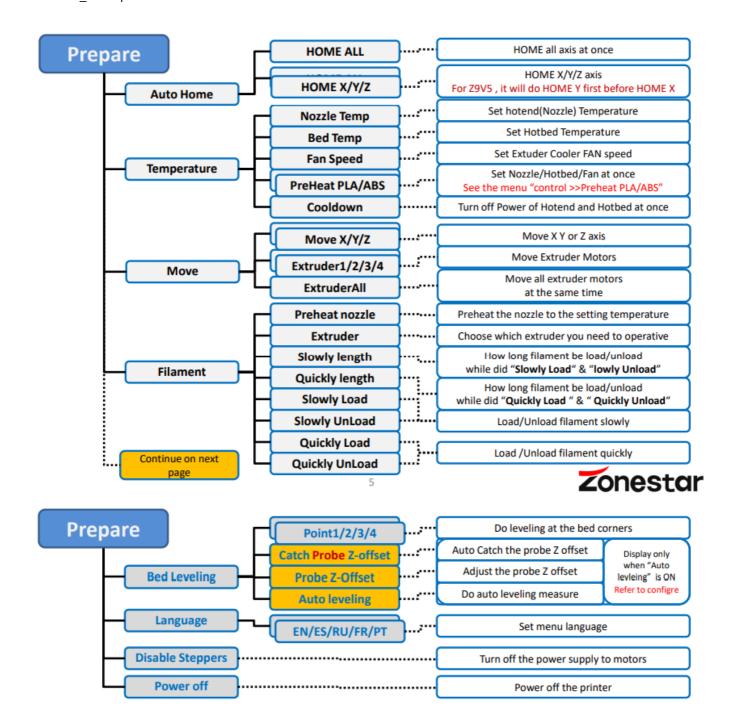
Printing status Menu (Hotend Type set to "Mixing�?

Title
Printng file name and Progress bar
Extruder Mix Rate and Auto Mixing mode
Printed timer and Remain timer

Printing controller		
Set parameters	Pasue&Resume Printing	Stop Printing
Nozzle Temperature		Hotbed Temperature
Printing Speed		Current Z position
Status Message Bar		

1. Titel   2. Printing file name and Progress bar
3. Extruder Mix Rate and Auto Mixing mode
4. Printed time and Remain time   5. Set printing parameters
6. Pasue&Resume Printing
6. Stop Printing   7. Nozzle Temperature
8. Hotbed Temperature
9. Printing Speed   10. Current Z position
12.Status Message Bar

Prepare Menu

Level 1	Level 2	Description
Auto Home	HOME ALL	HOME all axis at once
Auto Home	HOME X	HOME X axis
Auto Home	HOME Y	HOME Y axis
Auto Home	HOME Z	HOME Z axis
Temperature	Nozzle Temp	Set Nozzle(hotend) Temperature
Temperature	Bed Temp	Set Hotbed Temperature
Temperature	Fan Speed	Set Extuder Cooler FAN speed
Temperature	PreHeat PLA	Set Nozzle/Hotbed at once (lower temperature for PLA filament)

Level 1	Level 2	Description
Temperature	PreHeat ABS	Set Nozzle/Hotbed at once (lower temperature for ABS filament)
Temperature	Cooldown	Stop heating Hotend and Hotbed at once
Move	X	Move X axis
Move	Y	Move X axis
Move	Z	Move X axis
Move	Extruder(n)	Move Extruders (to feed/unload filament)
Move	Extruder All	Move All Extruders (to feed/unload filament)
Filament	Preheat nozzle	Preheat the nozzle to the setting temperature
Filament	Extruder	Choose which extruder to operate
Filament	Slowly length	How long filament be load/unload while did "Slowly Load�?& "lowly Unload"
Filament	Quickly length	How long filament be load/unload while did "Quickly Load �?& �?Quickly Unload"
Filament	Slowly Load	Load filament slowly
Filament	Slowly UnLoad	Unload filament slowly
Filament	Quickly Load	Load filament quickly
Filament	Quickly UnLoad	Unload filament quickly
Bed Leveling	Point 1	Do leveling at the bed corner 1
Bed Leveling	Point 2	Do leveling at the bed corner 2
Bed Leveling	Point 3	Do leveling at the bed corner 3
Bed Leveling	Point 4	Do leveling at the bed corner 4
Bed Leveling	Catch Probe Z-offset	Auto Catch the probe Z offset (Display only "Auto levleing�?is ON)
Bed Leveling	Adjust the probe Z offset	Auto Catch the probe Z offset (Display only "Auto levleing�?is ON)
Bed Leveling	Auto leveling	Do auto leveling measure (Display only "Auto levleing�?is ON)
Language	EN/ES/RU/FR/PT	Set menu language
Disable Steppers		Turn off the power supply to motors
Power off		Power off the printer

Control Menu

Control

Mixer*	Mix	·········	Set mix rates of each extruder and commit to V-TOOL
	Gradient (ON/OFF)	·········	Start a Gradient mix printing and set paremeters
	Random (ON/OFF)	·········	Start a Random mix printing and set paremeters
	Current V-TOOL	·········	Set current(working) V-TOOL

*Display only when "Control>> Configure >>Hotend type: mixing", see "Control>>Configure"

see the nex page

Control

Configre	Auto Retract	·········	Set Auto Retraction parameters
	Runout Sensor	·········	Turn ON/OFF filament run out detection
	PowerLoss Recovery	·········	Turn ON/OFF Power lost Recovery feature
	Auto Shutdown	·········	Turn ON/OFF idel auto shut down feature
	WiFi	·········	Turn ON/OFF WiFi feature
	WiFi BaudRate	·········	Set WiFi BaudRate (Need restart printer to apply it)
	Hotend Type	·········	Set Hot end types (According to your hot end type to set)
	Extr. Sequence	·········	Change Extruder Sequence (only work on Non-Mixing Color hotend)
	Home Z offset	·········	Set the Z HOME offset
	Auto Leveling	·········	Turn ON/OFF bed auto leveling feature
	Active Auto Level	·········	Active bed auto leveling correct when printing
	Max Hotend Temp	·········	You can change the max hotend temperature while used a Non-Mixing color hotend
	Hotend PID	·········	Set/ Auto tune the hotend PID parameters
Motion	Feedrate	·········	Set printing speed limiting parameters
	Acceleration	·········	Set acceleration limiting parameters
	Jerk	·········	Set Jerk parameters
	Step/mm	·········	Set Steps/mm parameters of stepping motors

see the nex page

Control

Preheat PLA/ABS	Nozzle/Bed Temp	·········	Set nozzle/Bed temperature and FAN speed when do "Preheat PLA" on Prepare menu
	Fan Speed	·········	
	Store Settings	·········	Store the settings
Store/Load Settings /Retore Defaults		·········	Save /Apply the setting or reset to default

Control Menu Description

Menu 2	Menu 3	Description
Mixer*	Mix	Set mix rates of each extruder and commit to V-TOOL

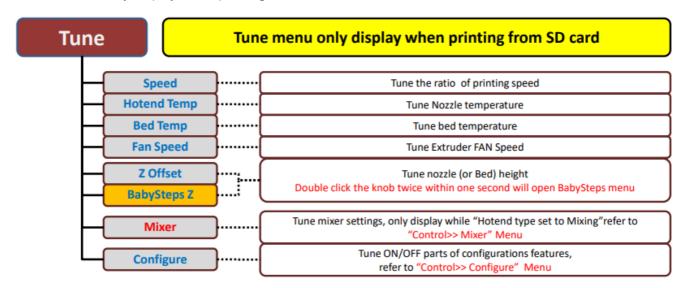| Menu 2	Menu 3	Description
	Gradient(ON/OFF)	Start a Gradient mix printing and set paremeters
	Random (ON/OFF)	Start a Random mix printing and set paremeters
	Current V-TOOL	Set current(working) V-TOOL
Configre	Auto Retract	Set Auto Retraction parameters
	Runout Sensor	Turn ON/OFF filament run out detection feature
	Auto Unload	Auto unload filament when printing is abort (only works on Non-mix color hot end)
	PowerLoss Recovery	Turn ON/OFF Power lost Recovery feature
	Auto Shutdown	Turn ON/OFF idel auto shut down feature
	WiFi	Turn ON/OFF WiFi feature
	WiFi BaudRate	Set WiFi BaudRate (Need restart printer and change the WiFi module BaudRate)
	Hotend Type	Set Hot end types (according to your hot end type)
	Extr. Sequence	Change Extruder Sequence (only work on Non-Mixing Color hotend)
	Home Z offset	Set the Z HOME offset
	Auto Leveling	Turn ON/OFF bed auto leveling feature
	Active Auto Level	Active bed auto leveling correct when printing
	Hotend PID	Set the hotend PID parameters
Motion	Feedrate	Set printing speed limiting parameters
	Acceleration	Set acceleration limiting parameters
	Jerk	Set Jerk parameters
	Step/mm	Set Steps/mm parameters of stepping motors
Preheat PLA	Nozzle Temp	Set nozzle temperaturewhen do "Preheat PLA�?on Prepare menu
	Bed Temp	Set Bed temperature when do "Preheat PLA�?on Prepare menu
	Fan Speed	Set FAN speed when do "Preheat PLA�?on Prepare menu
	Store Settings	Store above settings
Preheat ABS	Nozzle Temp	Set nozzle temperaturewhen do "Preheat ABS�?on Prepare menu
	Bed Temp	Set Bed temperature when do "Preheat ABS�?on Prepare menu
	Fan Speed	Set FAN speed when do "Preheat ABS�?on Prepare menu

Menu 2	Menu 3	Description
	Store Settings	Store above settings
Store Settings		Save the settings
Load Settings		Load the settings from NVRAM (maybe it has been changed by Gcode command)
Restore Default		Reset NVRAM settings to the factory status

*Display only when "Control>> Configure >>Hotend type: mixing�? see "Control>>Configure"

Tune Menu

⚠️ Tune menu only display when printing from SD card.

Tune Menu Description

Menu item	Description
Speed	Set the ratio of printing speed
Flow Rate	Set the flow rate of extruder
Nozzle Temp	Set Nozzle temperature
Bed Temp	Set Bed temperature
Fan Speed	Set Extruder FAN Speed
Z Offset	Tune Z offset
Mixer	Set mixer,refer to "Control>> Mixer�?Menu (only display while "Hotend type is Mixing�?
Configure	Tune ON/OFF parts of configurations features, refer to "Control>> Configure�?Menu

📘 How to upgrade firmware of DWIN LCD Screen