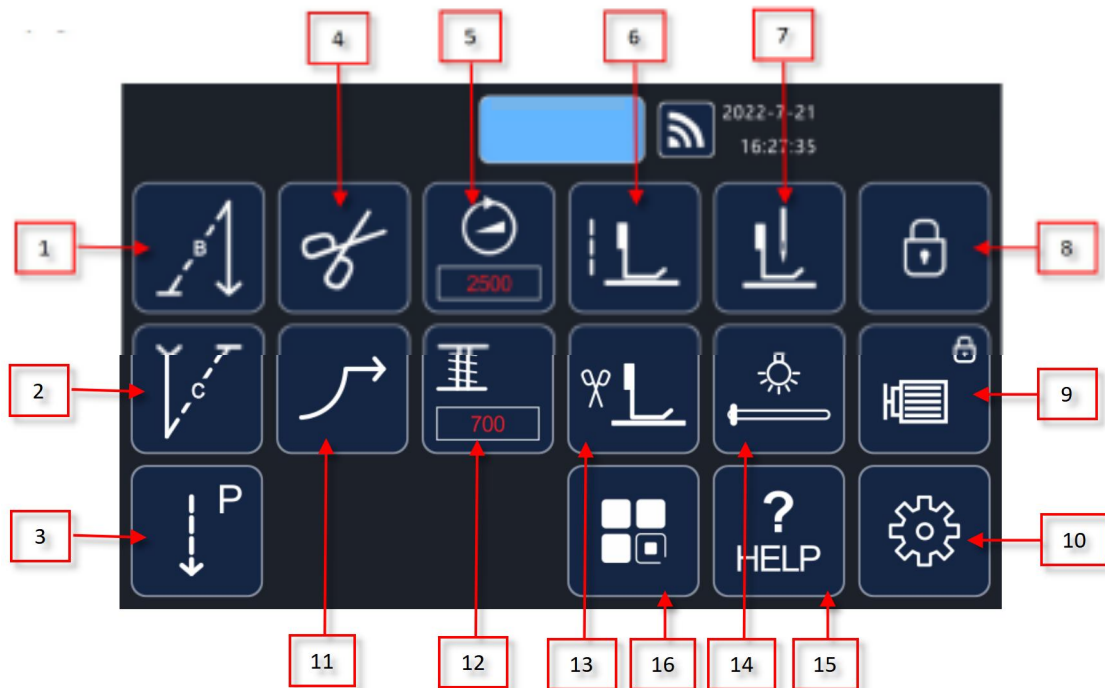

TEXI NOVA CONTROL SYSTEM

User manual

Please safe keeping this manual for quick reference







Operating Instructions in User Mode

1. Home page :

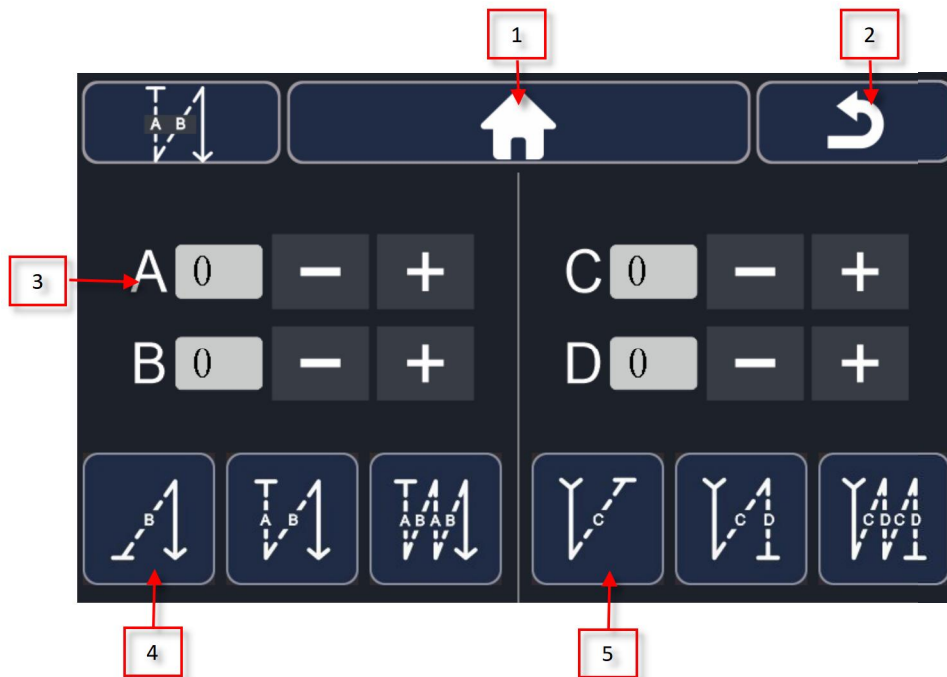







Note: Function is off if icon is gray, function is on if the icon is blue.

No	ICON	NAME	DESCRIPTION
1		Front back tacking reverse mode	Press this icon, the system enter the setting of front back tacking reverse mode
2		End back tacking reverse mode	Press this icon, the system enter the setting of end back tacking reverse mode
3		Sewing mode	Press this icon, the system enter the setting of constant sewing mode and w sewing mode
4		thread trimming	Start/close automatic thread trimming mode
5		Sewing speed setting	Highest sewing speed setting
6		Intermediate stops presser foot lifting	Intermediate stops sewing after presser foot lifting on/off
7		Intermediate stops up and down stop position	Intermediate stops sewing after up and down stop position on/off
8		Lock screen	Press this icon, the function on the screen become invalid
9		Foot pedal (motor) lockout	Press this icon, motor stop working and foot pedal is locked
10		Parameter setting	Press this icon, the system enter the parameter setting interface

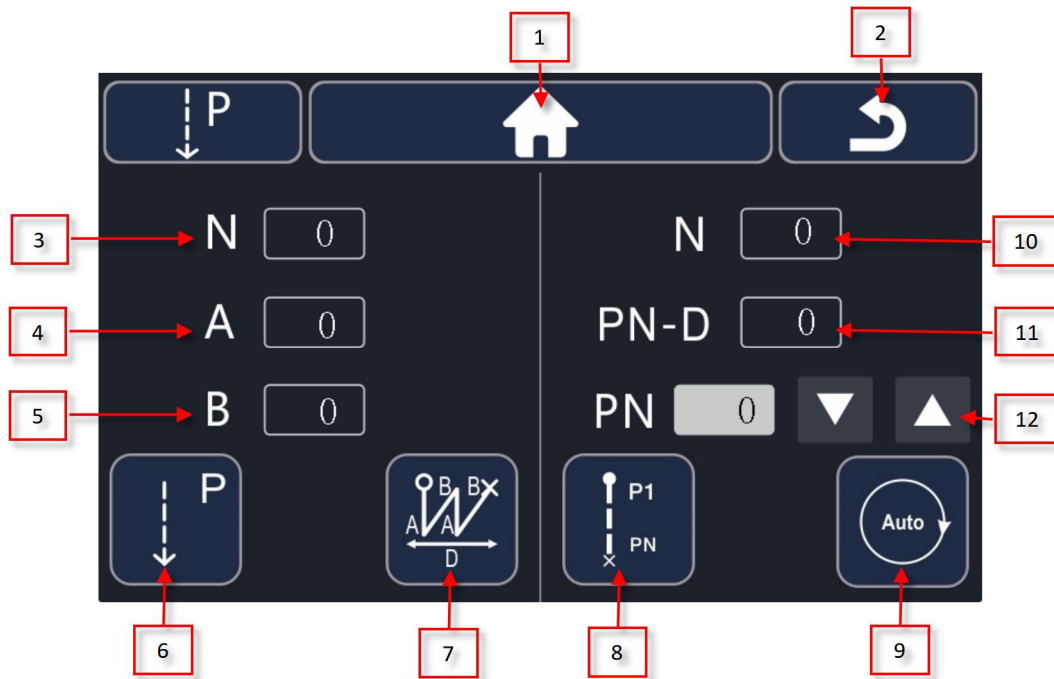
11		Soft start function	Press this icon, show soft start function effectively, then press the icon is off, indicates close soft start function.
12		Bottom thread counter	Press and enter the interface of bottom thread counter, it shows the current bottom thread length. Press to recount after changing the bottom thread
13		Presser foot lifting after thread trimming	Press this icon, start/ close presser foot lifting after thread trimming
14		Headlight brightness control switch	Press this icon, turn on/off the LED light, Drag the progress bar below to adjust the brightness
15		Help button	Displays the description of each icon
16		Other Apps	

3. Front/ End back tacking reverse mode setting interface :



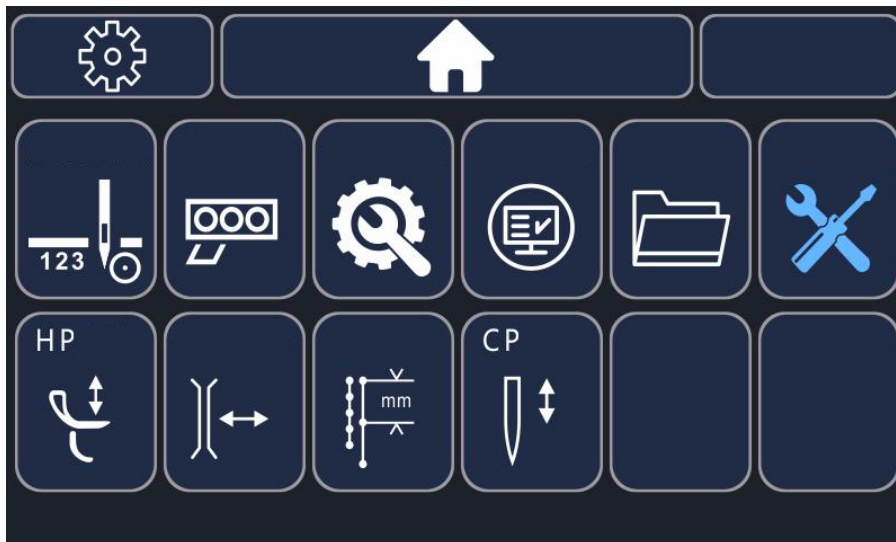
No	ICON	NAME	DESCRIPTION
1		Home page	Click to return the home page
2		Return key	Click to return to the previous page
3		Front back tacking reverse AB section/End back tacking reverse CD section stitches number setting	Select the corresponding "+" key and "-" key to increase or decrease the number of stitches in the ABCD segment of the front and end back tacking reverse
4		Front back tacking reverse mode	Press this icon, start/ close this function
5		End back tacking reverse mode	Press this icon, start/ close this function

4. Constant sewing mode and w sewing mode setting interface:



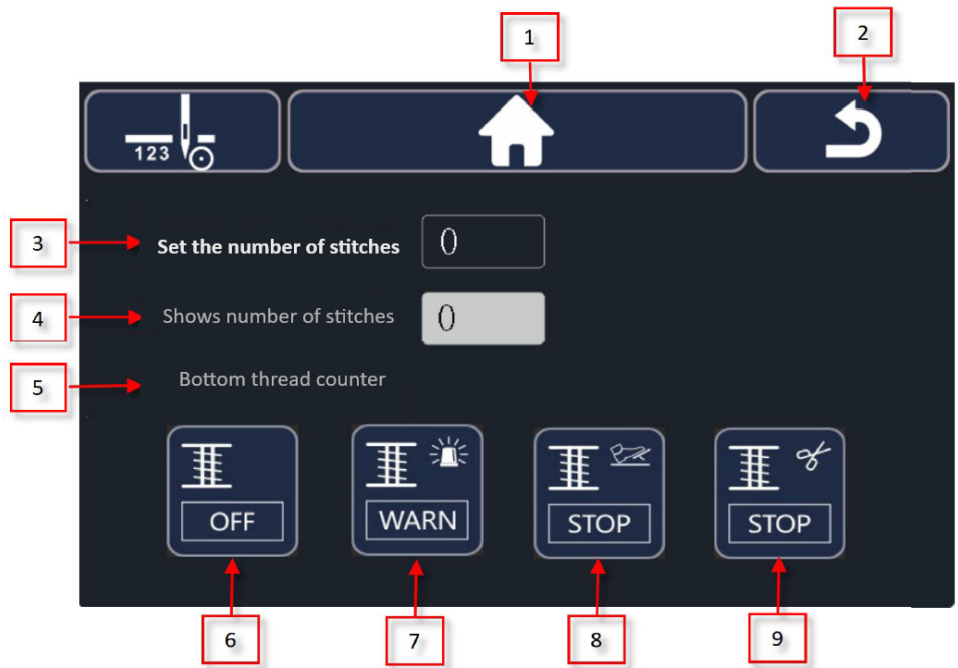
No	ICON	NAME	DESCRIPTION
1		Home page	Click to return to the home page
2		Return key	Click to return the previous page
3		N	W segment sewing setting
4		A	A segment stitches number setting in W sewing mode
5		B	B segment stitches number setting in W sewing mode
6		Free sewing mode	Free sewing mode selection key
7		W sewing mode	W sewing mode selection key
8		Multi-segment sewing mode key	Multi-segment sewing mode selection key
9		Multi-segment automatic/pedal control mode selection	I .Auto mode: After stepping on the pedal, the machine will automatically stop after sewing one section II .Pedal mode: Start sewing after stepping on the pedal, stop sewing after lifting up, and it will also stop when the number of stitches is reached.
10		N	Multi-segment sewing mode
11		PN-D	Set the stitches number of PN-segment
12		Segment selection	Set the stitches number by PN-D

16. User parameter setting interface :



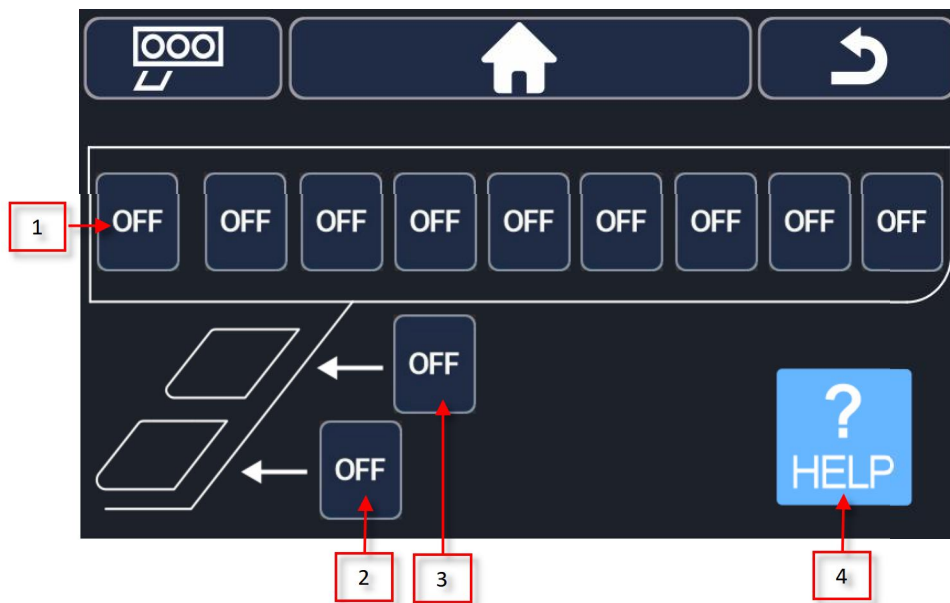
No	ICON	NAME	DESCRIPTION
1		Bottom thread counter	Set the parameters related to bottom thread counting
2		Eight-connected button	Eight-connected button function setting
3		Other setting	Set part of unclassified parameters
4		State monitoring	View real-time status values
5		Version	View system version
6		Repair mode	Enter the repair mode monitoring
7		HP function	Set HP function related parameters
8		Compensation thread clamp	Set compensation thread clamp related parameters
9		Long stitch length	Set long stitch length related parameters
10		CP function	Set CP function related parameters

17. Bottom thread setting page :



No	ICON	NAME	DESCRIPTION
1		Home page	Click to return to the home page
2		Return key	Click to return the previous page
3		Set the number of bobbin stitches	Set the number of stitches available for bobbin thread
4		Number of stitches used for bottom thread	Shows number of stitches used for bottom thread Bottom
5		Bottom thread counter setting	Four series of mode can be selected, bottom thread counter off mode, alarm mode, pedal stop mode and stop after trimming mode
6		Bottom thread counter off mode	Turn off the bottom thread counter mode
7		Alarm mode	Display alarm on the touchscreen when the bottom thread counter in full condition
8		Pedal stop mode	After the counting of the bottom thread is completed, stop sewing after lifting the pedal, until the bottom thread resets
9		Stop after trimming mode	After the counting of the bottom thread is completed, stop sewing after trimming, until the bottom thread resets

18. Eight-connected buttons :



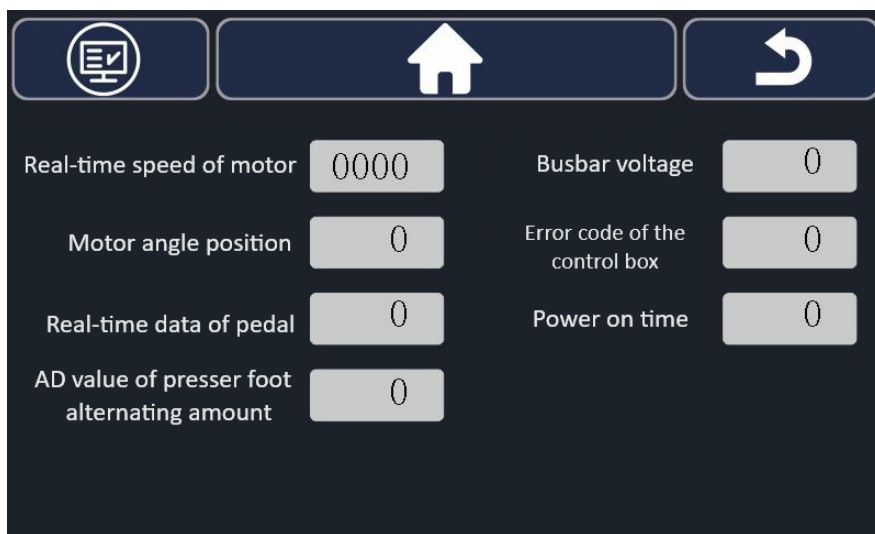
No	ICON	NAME	DESCRIPTION
1		The function corresponding to the button setting	Click and show the function setting interface(as shown in the figure below)
2		The second shortcut button function	Click this button to customize the function of shortcut buttons
3		The first shortcut button function	Click this button to customize the function of shortcut buttons
4		Help button	Click to check each functions definition and details

19. Other settings :



No	ICON	NAME	DESCRIPTION
1		Default brightness of the light	The setting of the default brightness during the headlights is turned on
2		Lock screen time(min)	Set the time to automatically lock the screen without any operation on the touch screen(0 for no automatic lock the screen)

20. Real-time state

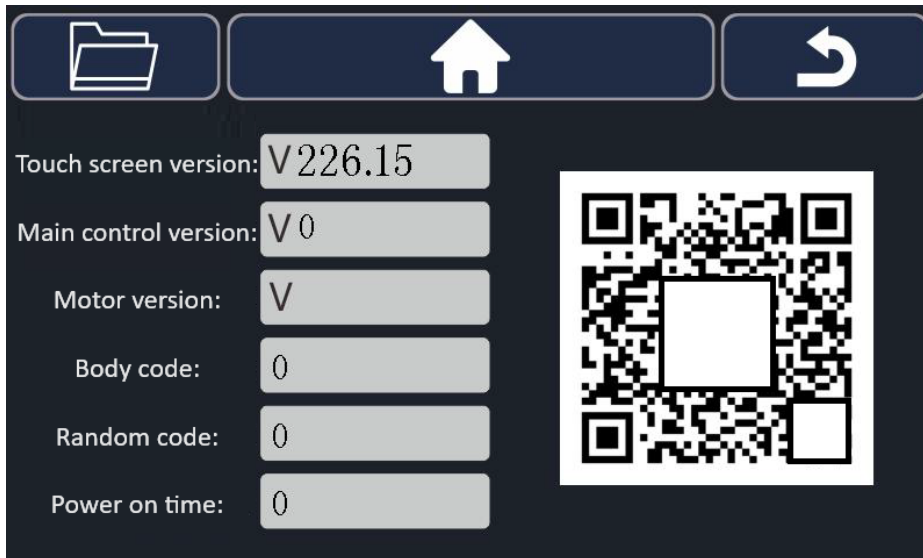


No	ICON	NAME	DESCRIPTION
1		Real-time speed of motor	Shows the real-time running speed of the sewing machine
2		Motor angle position	Shows the angular position of the shaft, the up needle stop position is 0 degrees, and one circle is 360 degrees
3		Real-time data of pedal	Shows the analog value of the foot pedal (0 - 1024)
4		AD value of presser foot alternating amount	Shows the analog value corresponding to the height of the presser foot alternating amount(0-1000)

5	Busbar voltage	<input type="text" value="0"/>	Busbar voltage	Shows the highest voltage value of the power supply
6	Error code of the control box	<input type="text" value="0"/>	Error code of the control box	Shows the motor driver error code
7	Power on time	<input type="text" value="0"/>	Power on time	Shows the power on time(min)

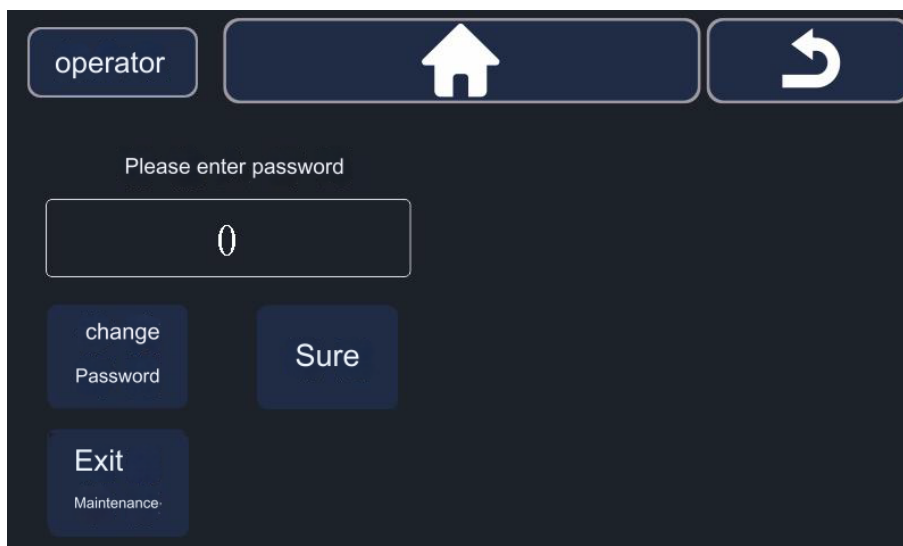
Note: The system status prompt is displayed at the bottom

21. System version



It show the information such as the version and Series code of each component of the system.

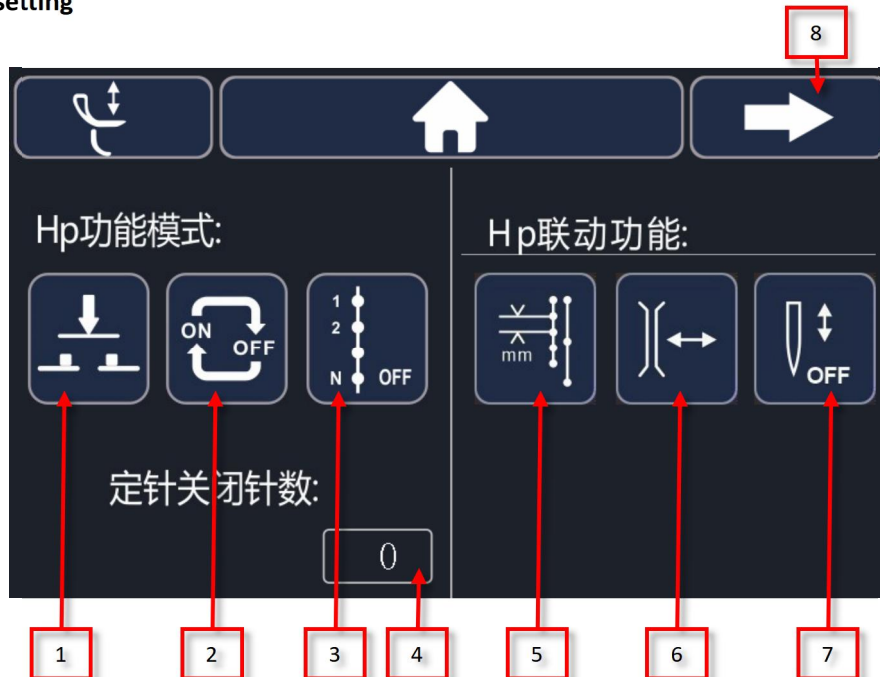
22. Enter the repair mode interface



It can realize the functions of entering maintenance mode, exiting the maintenance mode and modifying password on this interface


No	ICON	NAME	DESCRIPTION
1		Enter the maintenance mode	Enter the maintenance password on the password input box, click "确定" button can enter the maintenance mode
2		Exit the maintenance mode	Click this button can exit the maintenance mode, and enter the operator mode
3		Modify the maintenance password	Input the new password after entering the maintenance mode and then click "modify password"

23. HP function setting

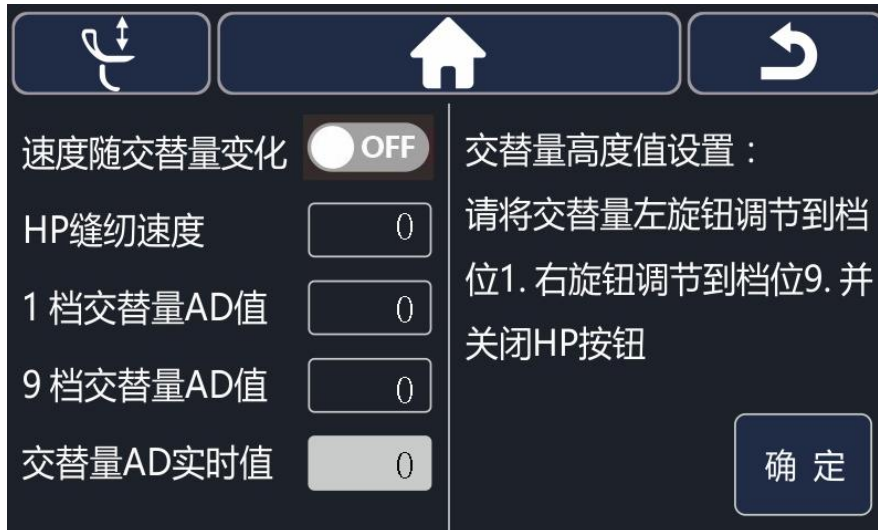








No	ICON	NAME	DESCRIPTION
1		Electronic control mode	Press the button to turn on the HP function, press the button twice to confirm to turn off the HP function (this icon showed is used similarly to other functions)
2		Self-locking mode	Press the button to cycle on/off the HP function. (This icon showed is similar to other functions)
3		constant-stitch mode off	HP function can be turned on after pressing the button, the HP function will be automatically turned off after finishing sewing the number of stitches
4		The number of constant-stitch off	The number of stitches can be set in the constant-stitch mode
5		Long stitch length follow-up mode	Long stitch length is related with the HP function after turning on this function, the following functions operate in the same way
6		Compensation thread clamp follow-up mode	Compensation thread clamp is related with the HP function after turning this function
7		Turn on/off CP follow-up function	After this function is turned on, in the circumstances of the CP function working, the CP function will be automatically turned off when the HP function is turned on, and the CP function will be restored after the HP function is turned off.


8		Next page	Enter the HP function setting 2
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Note:  HP function can turn on by pressing this button or knee controller action.

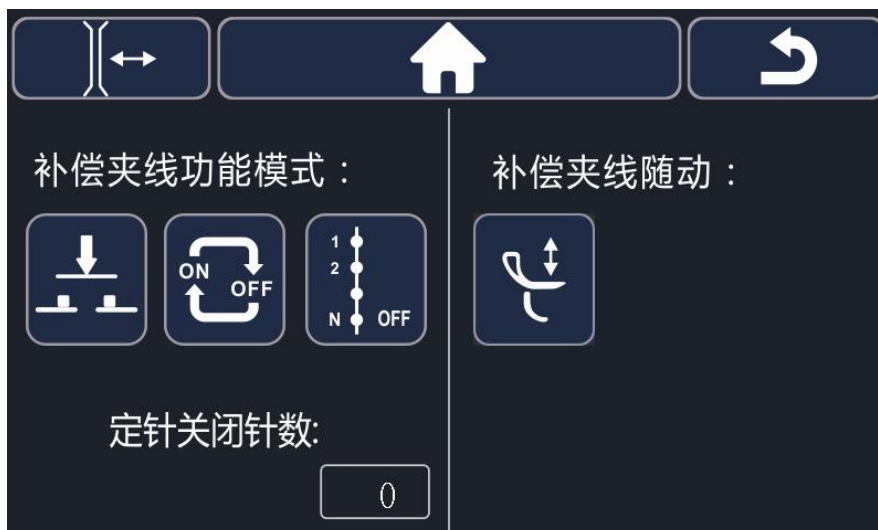
24. HP function setting



No	ICON	NAME	DESCRIPTION
1		Speed change with the alternating amount switch	Turn on this function, the max sewing speed will vary with the alternating amount of the presser foot, the greater presser foot alternating amount, the lower sewing speed
2		HP sewing speed	Set the sewing speed when turn on the HP function
3		AD value of gear 1st alternation	Set the value of the height sensor of the presser foot alternating amount when the presser foot alternating amount is minimum
4		AD value of gear 9th alternation	Set the value of the height sensor of the presser foot alternating amount when the presser foot alternating amount is maximum
5		AD real-time alternation value	Check the real-time data of the height sensor for the presser foot alternating amount
6		Alternating height value setting	Automatically set the value of the presser foot alternating amount, adjust the left knob of alternating value of presser foot to gear 1 and the right knob to gear 9, and close the HP function button. Click "OK" and the system will automatically enter the AD value data of alternating value of presser foot alternating amount

Note:  HP function can turn on by pressing this button or knee controller action.

25. Compensation thread clamp







No	ICON	NAME	DESCRIPTION
1		Electronic control mode	Click the button to turn on HP function, press the button twice to confirm to turn off the HP function (this icon showed is used similarly to other functions)
2		Self-locking mode	Press the button to cycle on/off the HP function. (This icon showed is similar to other functions)
3		Constant-stitch off mode	HP function can be turned on after pressing the button, the HP function will be automatically turned off after finishing sewing the number of stitches
4		The number of constant-stitch off	The number of stitches can be set in the constant-stitch mode
5		Turn on compensation follow up function	HP function can be turned on after starting this function, compensation thread clamp function is related with it

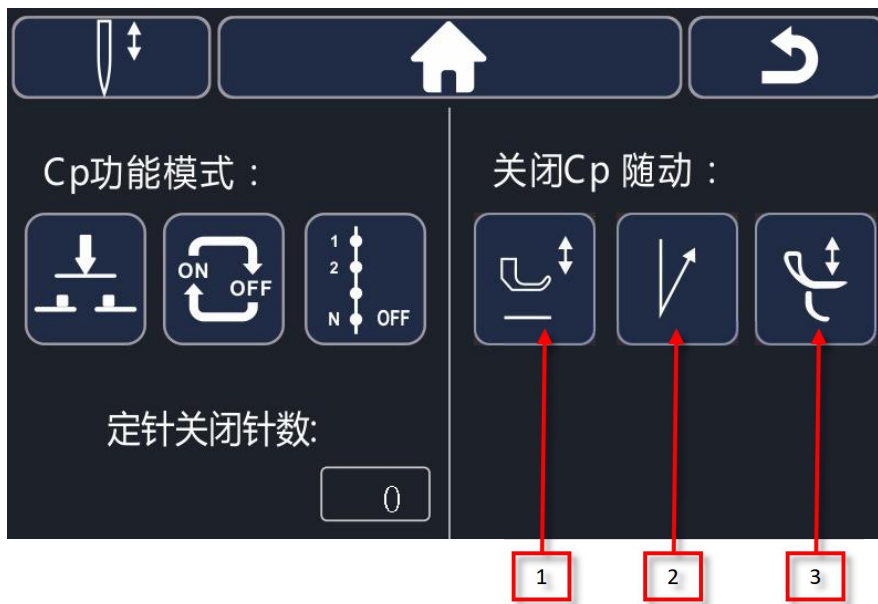
26. Long stitch length function






No	ICON	NAME	DESCRIPTION
1		Electronic control mode	Click the button to turn on HP function, press the button twice to confirm to turn off the HP function (this icon showed is used similarly to other functions)




2		Self-locking mode	Press the button to cycle on/off the HP function. (This icon showed is similar to other functions)
3		Constant-stitch off mode	HP function can be turned on after pressing the button, the HP function will be automatically turned off after finishing sewing the number of stitches
4		The number of constant-stitch off	The number of stitches can be set in the constant-stitch mode
5		Turn on presser foot lifting follow up function	HP function can be turned on after starting this function, Presser foot lifting function is related with it

27. CP function setting(Halving)



 The CP function mode setting is the same as  the HP function setting. For specific usage, refer to  HP function settings.

Turn off the CP function follow-up:

No	ICON	NAME	DESCRIPTION
1		Presser foot lifting function	Turn on the presser foot lifting follow-up, CP function will be closed.
2		Back tacking function	Turn on the back tacking function follow-up, CP function will be closed.
3		HP function	After this function is turned on, the CP function will be automatically turned off when the HP function is turned on, and the following functions will operate in the same way

二、Maintenance mode parameter setting







6. Parameter setting interface -



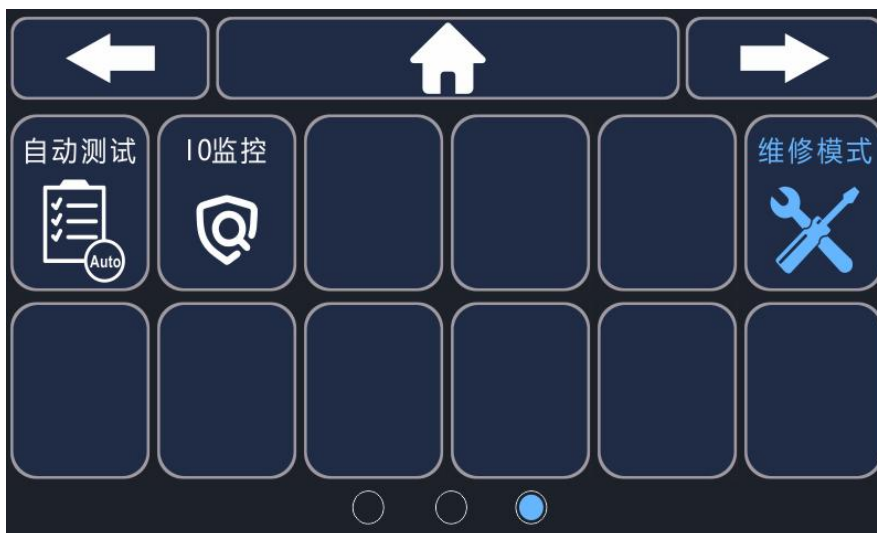
No	ICON	NAME	DESCRIPTION
1		The Front/End back tacking reverse mode	The front/End back tacking relevant parameter setting
2		Middle section sewing	Constant sewing relevant parameter setting
3		Soft start function	Soft start parameter setting
4		Thread trimming	Thread trimming speed and starting angle parameter setting
5		Motor	Set the motor speed, lower needle position angle, parking lock and other parameters in various situations
6		Short thread end	Set the parameters such as end short end switch
7		Presser foot lifting	Set the presser foot lift time, automatic presser foot lift mode and other parameters
8		Back stitch function	Set back stitch angle and other parameters
9		Thread slack electromagnet	Set thread slack electromagnet mode and switching angle and other parameters
10		Thread sweeping/ thread wiping	Set the function switch and angle parameters of thread sweeping and thread wiping
11		Safety switch	Set safety switch alarm and recovery time parameters
12		Stitch compensation	Set stitch compensation mode and speed parameters

7. Parameter setting interface 2 -



No	ICON	NAME	DESCRIPTION
1		Pedal function	Set the analog value of each position of the pedal
2		Anti-birds net function	Anti-birds net function switch and clamp electromagnet switch angle and other settings
3		Lower thread counter	Set the lower thread counter and length
4		Input function	Customize the function selection of the electronic control input port
5		Output function	Customize outlet function selection and output mode
6		Eight-connected buttons	Customize function buttons and shortcut button functions
7		Other settings	Other setting functions
8		Presser foot alternating amount	Presser foot alternating amount speed control function switch and interacting amount sensor parameter setting
9		Language	Choose Chinese and English version
10		Restore Factory	Save the user's current parameters. Restore the saved parameters. Restore the factory parameters. Set the upper needle position and other functions
11		State monitoring	Show the system real-time data
12		Version	Check the system version

8. Parameter setting interface 3 -


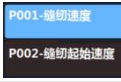

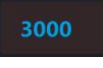







No	ICON	NAME	DESCRIPTION
1		Automatic testing	Set the automatic testing relevant parameter
2		IO monitoring	Monitor background data
3		Maintenance mode	Enter the maintenance mode state

9. Parameter setting method







No	ICON	NAME	DESCRIPTION
1		Spindle motor	Spindle motor parameter interface
2		Previous page turn	Click to go to the previous page

3		Next page turn	Click to go to the next page
4		Parameter name	Clicking the parameter name can view parameter descriptions and set parameters
5		Parameter value	Click the parameter value can directly set the parameter
6		Current setting parameter value	Show the current setting parameter value
7		Adjust the current parameter minus	Reduce the speed of current regulating parameters
8		Adjust the current parameter plus	Increase the speed of current adjustment parameters
9		Parameter Description	Current parameter description and setting method, click the middle position to turn pages
10		Maximum value of current parameter	Set the maximum sewing speed in the sewing speed range
11		Minimum value of current parameter	Set the minimum sewing speed in the sewing speed range

10. Restore parameter



No	ICON	NAME	DESCRIPTION
1		Save the parameter	Save the current user parameter
2		Restore the parameter	Restore previously saved user parameters
3		Restore factory parameters	Restore original factory parameters
4		Set the upper needle position at the current position	Click this button after manually turning the machine to the upper needle position to set the current mechanical position as the upper needle position