

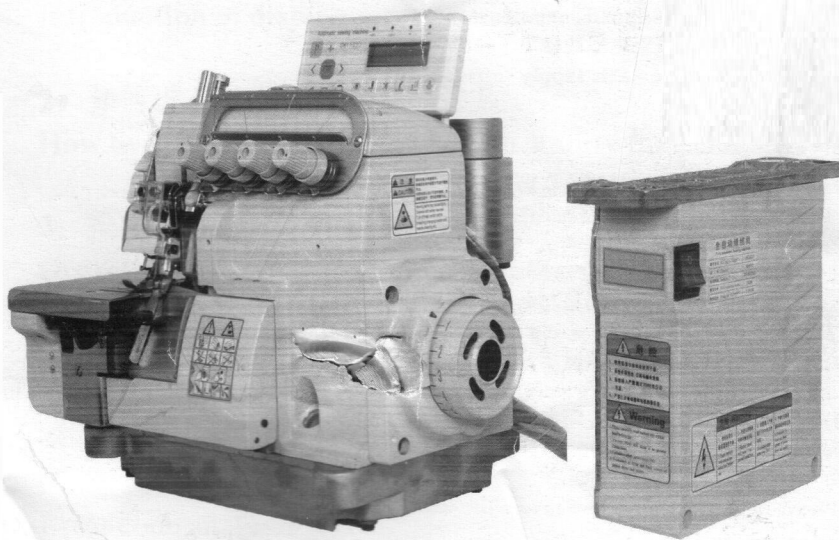


Collier Equipment

The home of **CEDAR** *Special* &
CEDAR Systems Automated Sewing Devices

100 Mill Creek Circle/Po Box 175
Lexington, Alabama 35648 USA
Phone: (256)229-6595 Fax: (256)229-6779

Automatic sewing machine User Manual



Please read the manual carefully before using this unit.

Please keep this manual handy for ready reference.

Foreword

Welcome to use our products, it is the right investment choices in garment industry!

The User manual is for our newly developed "Auto-Trimmer servo Motor with suck system" products Reference Manual, Please read this manual carefully, hope it can give you useful help.

Before reading the manual, Please note the following requirements:

- 1: The user must be grounded before operations to ensure safety
- 2: Non-professionals do not disassemble the control box
- 3: The control box and motor away from the magnetic high radiation environment
- 4: Do not work in hot environments
- 5: Do not work in humid environments too
- 6: Users to ensure stable supply voltage (210V ~ 240V)

Safety requirement

- 1: Do not put your feet on the pedals when the motor is switched on
- 2: Let professionals to install and debug this product
- 3: Do not open the control box and the motor cover when energized
- 4: Please turn off the power when changing the needle threading or replacing the bottom line
- 5: During installation and removal service, please turn off the power
- 6: Please turn off the power when turn lift sewing machine

Warranty Policy

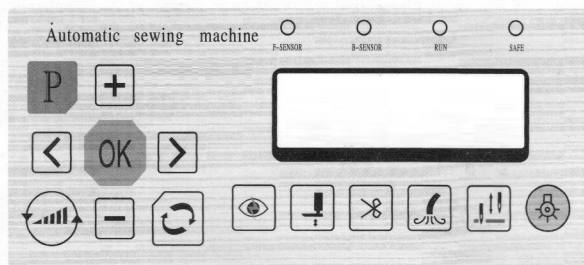
- 1: Since from the purchase of this product, the free 2-year warranty, Lifetime Maintenance. during the warranty period ,Any quality problems the product will be free repaired, Except artificial damage.
- 2: without our consent disassemble or modify, the damaged will not give in warranty
- 3: Whenever find the problem can not be solved, you can contact the company

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1: Introduction of display screen common Operation



No.1	Button Icons	Function Description	
P1		Jog : Auto → Semiauto → Full manual, Switching between	
P2		Jog Into the light eye ON or OFF, Touch "OK" button to confirm	Long press Enter the light eye Parameter adjustment (password required)
P3		Jog into scissors adjustment, Repeat jog switch them: Front cutting, back cutting, Front and back together cutting, Stop Cutting Touch "OK" button to confirm	Long press Enter scissors parameter adjustment (password required)
P4		Jog into suck adjustment, Repeat jog switch them: Front sucking, back sucking, Front and back together sucking , Stop sucking Touch "OK" button to confirm	Long press Enter sucking parameter adjustment (password required)
P6		Jog into Auto-lift foot adjustment , Repeat jog switch them: Front lift foot , back lift foot , Front and back together lift foot , Stop lift foot Touch "OK" button to confirm	Long press Enter Auto-lift foot parameter adjustment (password required)

P8		Jog  switch up or down needle position Touch "OK" button to confirm	Long press  Enter needle position parameter adjustment (password required)
P12		Jog  into run speed adjustment, Through   change the speed, automatically saved	Long press  Enter speed parameter lock (password required)
P13		ON OFF SWITH OF Head LED lights	
Common keys			
1		Jog into user parameters	Long press enter System parameters (password required)
2		Parameter confirm key	
3		Up key (when need add data)	
4		Down key (when need reduce data)	
5		To the left (enter the parameter, reduce)	
6		To the right (enter the parameter, add)	
7	Status Indicat or	Yellow: front light eye signal indication.	lights up with cloth cover
		Purple: back light eye signal indication.	lights up with cloth cover
		Green: Begin sewing status indication.	lights up when motor running
		Red: safety switch indicator	Flashes when disconnected, light off when normal close
		Blue: display power indicator.	lights up when display has power

2: How to enter parameters and how to modify the parameters

System parameters entering analysis:

Long press () button for 3 seconds to enter the "System Parameters" list (requires a password to enter the adjustment). () () Key for select to modify a parameter value or menu value, After choice the selected places will be flashing.

() () Key to increase or decrease the value of flashing place.

After completion of parameter changes need to press the () key to save the parameters and exit the system parameters.

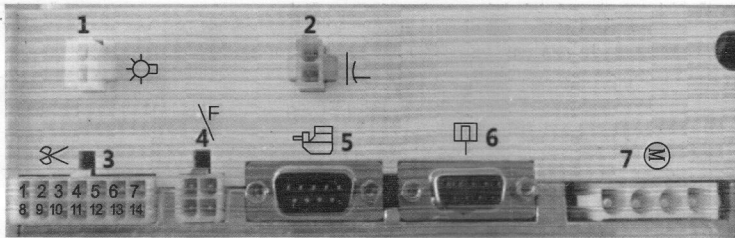
Note: the up entry method, specific parameters No. on behalf of the parameters meaning as follows::

3: Operating Parameter Description Table

System parameter list	Function Description	Function parameter default values	Function parameter ranges	Parameter Description
S2	Number of stitches between the two sensor	20	1~50	Set the Number of stitches between the two photoeye
S3	Former cutting line Delay Number of stitches	4	0~50	Back photo eye Sensor to
S4	Stitches number for auto trimmer	12	0~50	After leaving latter photoeye, how many Delay stitches begin to auto trimmer
S5	Stitches number beginning to suck	10	1~50	From which stitches beginning to suck after leaving former photoeye
S6	Stitches number to off former suction	8	1~50	Account how many stitches begin to close former suction
S7	Stitches number to open latter suction	10	1~50	After leaving latter photoeye, how many stitches begin suck
S8	Off time latter suction	200	100~5000MS	After leaving the photo eyes, count how many milliseconds off suction
S12	delay stitches after parking	10	1~99	How much stitches auto parking after trimmer
S16	Former photoeye response time	60	1~100MS	the response time when former photoeye has sense
S17	former photoeye sensitivity	20	12~100	setting photoeye through the fabric strength, To adapt to different fabrics

S18	latter photoeye sensitivity	20	12~100	setting photoeye through the fabric strength, To adapt to different fabrics
S19	retention time for former presser foot	100	100~2000	duration after lift foot
S20	latter presser foot start time	0	0~2000MS	The lift foot response time after latter foot pedal
S21	Presser foot protection time	3	1~120S	how much time sustained after Manually lift presser foot
S22	Delay times down presser foot	20	20~800MS	The times down presser foot
S23	Continuous feed suction cut line	0	0~1	
S24	In running manual switch action	1	0~1	0: When the motor is running, such manual switch no cutting, 1: Have cutting
S25	Safety switch selection	1	0~1	1: Start the safety switch 0: off safety switch
S26	Cutter retention time	35	1~1000MS	切刀动作时间 Cutter action time
S27	recovery time	5	5~100S	After entering the control panel, how much time to jump back to the main menu interface
S28	Select photoeye Quantity		1~2	1 single photoeye, 2 double photoeye
S29	Former photo eyes polarity selection		0~1	
S30	latter photo eyes polarity selection		0~1	
S39	Parameter reset	0	0~1	Transferred to 1 long-press the OK button to effective

4: The control box Port Description



Port Number	Port device name for the connection
1	Interlock W500 head LED socket, the port is invalid when machine add suck and trimmer device
2	Presser foot control port, connect the presser foot solenoid or solenoid valve (30V)
3	14P multifunction port
4	Foot pedals port , connection governor
5	connecting the control panel display of suction and trimmer
6	Connect the motor phase signal line
7	Connection motor No.4 drive line

3 No.3 14p multifunction port

The 3rd multifunction port label	Function
1, 8, 11	1: GND 8: Signal 1 11:5V
2, 9, 12	2: GND 9: Signal 2 12:5V
3, 10	3: Presser foot output 10:30V
4, 2	4: Protection signal input 2: GND
5	5: Ground
6, 13	6: Suction output 13:30V
7, 14	7: Scissors output 14:30V

5: Error code analysis

Display error code	Error code meaning	Various possible for the erro
ER-01	Can't find the needle position	1.The handwheel is not close, clearance within 2 mm. 2. Nine plug contact undesirable 3. Motor HuoEr bad, to replace the motor, 4. The handwheel magnet in the loss .
ER-02	Not detected boot speed regulator	1.Speed control device without plug, 2. Speed wire is broken
ER-03	Motor HuoEr or phase error	1. Nine hole plug contact undesirable, 2. The motor doesn't pack good, 3. HuoEr bad
ER-04	Locked-rotor protection	1. The motor overload, 2. The motor and the controller connected four hole line contact is not good
ER-05	Hardware over-current protection;	1. Motor overload, 2. Line contact is bad or broken,
ER-07	Serial port communication timeout error	Display to the system board signal bad or bad,
ER-09	Memory problem	Motherboard memory damage or adverse
ER-10	photo eye control line failure	adverse connection from display to photo eye

6: Packing List

Name	Quantity
Motor	1
Rotor	1
Electric control box	1
Fan blade	1
Foot pedals	1
Control Display Panel	1
Drawbars	1
Scissors photoeye integrated switch1	
Pneumatic (solenoid valve, cylinder) or 2: Electric (presser foot electromagnet scissors electromagnet)	Note: the package set depends on customer selected, Choose one in the two sets.
Suction device	1
photo eye kit (former & latter photo eyes)	1
Screw packet	1
Positioning sheathing	1
User manual	1
Certification	1

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