



# Touchscreen Dispenser

## JGD500T

*user Manual*



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## **Information Regarding Touch Screen**

The touchscreen is resistive (not passive like a smartphone) and reacts differently than what you may be used to on your phone. Touching the area you want to select requires a slightly longer period that you need to touch the screen. There only calibration process is for the touchscreen , and is found in settings; we suggest you might want to use a blunt tool to help you pass the calibration process.

## **Initial Setup**

1. Plug the power supply included with the dispenser into an electrical outlet (either 110 or 220v), and connect the other end into the back of the dispenser labeled "24VDC IN".
2. Connect the included 1/8" male NPT air quick connect fitting into the back of the dispenser labeled "'AIR IN 120 PSI MAX.'" Connect your regulated and filtered air to this quick connect fitting.  
**Caution!** Regulate your air pressure to 100 psi or less before connecting air to the dispenser. It is recommended that you use dry filtered air, to ensure there is no moisture or dirt that could potentially damage the circuitry of the dispenser.
3. Connect the foot pedal cord to the back of the dispenser and place the foot pedal on the floor in a comfortable position.
4. Turn the ON/OFF switch labeled "POWER" to the upward position (i.e.: I position). The display on the front of the dispenser will light up with a Root Menu. In the Root Menu you will see a Jensen Global logo as well as, a START DISPENSING tab, a SETTINGS tab, a DIRECTIONS tab and a CONTACT tab.
5. Connect a syringe adapter to the bottom right white fitting on the front of the unit.
6. Adjust the air pressure by turning the regulator knob until the desired air pressure as displayed on the gauge. Once you have the desired psi, you can push the regulator knob in to lock it.
7. Adjust the vacuum knob at the bottom left of the dispenser, counterclockwise, to turn the vacuum on. You will hear a hissing noise and this will pull back material into the needle and syringe, reducing stringing or dripping. Only use if you feel it is absolutely necessary (see troubleshooting for more info).
8. The 500T also features a password protected feature, that allows the manager or supervisor to input a password into the device and after doing so, this will require that password in two general situations: 1) when the machine is turned off then back on, and when changing or storing a time in a program. You can still change time in teach and Auto, but will not be able to change a stored time. This feature can be found in the settings tab located on the root menu.

**Note:** In order for you to change your password, you must provide your previous password in order to change password. When prompting for a new password, if you leave it blank it will not require a password for the above situations previously mentioned. If for any reason you forget password,

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please revert to Troubleshooting for further instructions or contact Jensen Global at sales@jensenglobal.com or 805-965-3668.

9. Factory default button has been added to the device. Using this feature will reset all available options on device this can be found on the settings tab in the root menu.

## **Advanced Operation**

To enter the advanced features of the 500T depress START DISPENSING to get into the DISPENSE screen, then the MODE where the following will be displayed:

| <u>Mode</u> | <u>Description</u>  | <u>Display/Dispense</u> |
|-------------|---------------------|-------------------------|
| Manual      | This is Manual Mode | (Blank)                 |
| Teach       | Teach Mode          | (Blank)                 |
| AUTO        | Timed Mode          | (Blank)                 |
| Program 1   | Storage Program 1   | 00.00                   |
| Program 2   | Storage Program 2   | 00.00                   |
|             | - Through -         |                         |
| Program 15  | Storage Program 15  | 00.00                   |

To switch between any of these, press the MODE tab located in the Dispensing Screen until one of the modes (in the left column listed above) shows on the display. Scroll down the menu then select a program. After selecting desired program, hit the OK tab once program is highlighted to get back to your DISPENSING SCREEN.

## **Manual Mode**

In MANUAL mode, the air path is open when the footswitch is depressed. The amount of material dispensed is dependent on the operator and how long the foot pedal is depressed. Material deposit volume and flow rate can be increased or decreased by adjusting the air pressure or changing the needle size.

## **Teach Mode**

To select this mode you must select the TEACH tab from the Mode Screen. . After selecting TEACH and highlighted press OK on the top right corner, this will take you back to the DISPENSING SCREEN. You are now in TEACH MODE. In TEACH MODE, it is very similar to Manual Mode except the timer counts up for however long you depress the foot pedal. If you release the foot pedal and stop dispensing, then restart, the timer/counter continues from where it left off. To reset the timer, hit the CLEAR tab on the DISPENSING SCREEN. . To SAVE the time, press the time display (black box with 4 digits [00.00]. Here you can SAVE it to a program.

## **Auto Mode**

To select this mode you must select the AUTO tab from the Mode Screen. After selecting AUTO and highlighted press OK on the top right corner, this will take you back to the DISPENSING SCREEN. In the

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DISPENSING SCREEN press the left or right green arrows to the required time you would like to dispense. Another option to change the time is to press the time display (black box with 4 digits [00.00]). Here you can change the time and actually SAVE it to a program. You must tap ok to go back to dispensing screen. Hit the foot pedal and the timer will activate the system for that time duration. You can change the time at any point, to increase or decrease the amount of material dispensed (as well as increase or decrease the air pressure using the regulator and gauge). At any point where there is a number displayed in AUTO mode, you can hit the RANGE tab to toggle or change the decimal point position from 1/100 of a second (00.00) to 1/1000 of a second (0.000).

Program 1 through Program 30

### Storing Programs

The procedure is very easy for storing different times in the JGD500T. Simply hit the MODE tab, Scroll thru the MENU to one of the Programs (storage program) areas, and hit OK. A second and easier way is in the DISPENSE mode, you can adjust the dispensing time by pressing the display that looks similar to [00.00]. In the menu mode, the 500T also features a fully customizable (Edit) tab which allows you to use a full digital keyboard to name your Programs and edit your dispensing time in the same screen. This feature can be found when selecting a desired Program. Once you are in the dispensing screen you will see MODE: followed by which Program you are in.

### Changing Programs

To switch between programs, hit MODE and scroll to the desired Program, hit OK and that stored program time will display and be ready to dispense.

You can clear any of the Programs by hitting the Clear tab on DISPENSING SCREEN. This can only be done when there is the time displayed within a stored program. i.e.: Hit MODE to confirm which Program you are in, then hit OK to display the time stored in that particular program in the DISPENSING SCREEN, then hit clear to reset to 00.00.

You can also choose to store different time resolutions (i.e.: decimal placement).

Example:

Program 1 can be 00.15 and Program 2 can be 0.255. To do this simply hit the range button to change the decimal point placement while setting a particular Program time.

Please make sure when you see Program "X" ("X" designating a specific Program of 1,2,3,4,5,6,7,8,9, or 10) make sure there is no **Sequential Mode ON** above program (x) and the number. If Sequential mode is on, hit the SEQUENT tab on the DISPENSING MENU, the words SEQUENTIAL MODE ON will disappear. This is a feature is discussed below.

### Sequential Dispensing

This is a feature that allows you to dispense any stored programs sequentially. To activate this feature you must be in the DISPENSE screen. Make sure you are in a stored Program that has a time stored, and there are at least two or more programs that have a stored time. You can hit MODE button and scroll through the programs to make sure there are times stored, and then select the program you want to start dispensing with. Hit OK to take you back to the DISPENSE screen. To activate sequential dispensing, simply hit the SEQUENT button, and you will see **Sequential Mode ON**

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When you hit the footswitch, it will dispense that particular Stored Program and then the display will show the next Stored Program time. When you hit the footswitch again, it will dispense what is displayed, then the display will switch to the next...and so on. The dispenser will automatically cycle through only the programs stored, and will continue. If you have 3 programs stored, it will cycle through these three programs. If you have 5 programs stored, it will cycle through those five programs (five programs, it will cycle through five, etc).

Example:

Stored Program - 1 is 00.01

Stored Program - 2 is 00.55

Stored Program - 3 is 00.00

Stored Program - 4 is 0.250

Stored Program - 5 is 00.00

Stored Program - 6 is 00.00

Stored Program - 7 is 1.520

Stored Program - 8 is 00.00

Stored Program - 9 is 00.00

Stored Program -10 is 00.00

Every time you hit the foot pedal, the dispenser will sequentially dispense Programs 1,2,4,7, and will repeat continually as long as you keep **Sequential Mode ON**  
00.01.....00.55.....0.250.....1.520 and then will start over with 00.01, etc....

## **Troubleshooting**

- a. Check the power connector on the back and make sure it is pushed in completely. If the root menu does not come up, turn off the dispenser, unplug the power supply, wait 10 seconds, then reconnect and power on.
  
  - a. Depress your finger longer over the area you are wanting to initiate. Holding your finger for a full second will (rather than a split second like you would on a Smartphone) will ensure your command will be accepted.
  
  - a. Turn off the dispenser (unplug if necessary) and reconnect or turn dispenser back on. It will reset, and any programs stored still should be saved in memory.
  
  - a. The vacuum may be on.
    - b. Turn the vacuum knob on the front of the unit clockwise until the hissing stops. Also check your air connector fitting in the back of the unit for a tight fit. Use Teflon™ tape if necessary.
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- a. Check the white adapter fitting that connects to the front /right of the dispenser, ensuring it is pushed in all the way.
  - b. Also check to see that you have air pressure and the gauge is reading above 0 psi.
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- a. The regulator knob (large black knob on front of dispenser) is locked.
  - b. Simply pull out towards you to unlock it. It will turn easily after this is done.
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- a. Please call Jensen Global for assistance

## **SPECIFICATIONS**

### **Timer**

0.008 to 99.99

### **Voltage Input**

24VDC 1.0A

### **Air Output**

1-100 psi (0.1 - 7 bar)

### **Air Input**

35-100 psi (2.5 - 7 bar)

### **Weight**

Shot Meter: 2.25 lbs

Footswitch: 6 oz

Power Supply: 9 oz

### **Size**

Length- 7.75"

Width- 4.5"

Height- 6.25"

## **Contact Us**

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If you have any question or comments regarding the unit please feel to contact us by emailing [sales@jensenglobal.com](mailto:sales@jensenglobal.com), phoning our facility at [805-965-3668](tel:805-965-3668), or live chat located on our website at [jensenglobal.com](http://jensenglobal.com).

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