



Thank you for purchasing the SmartDispenser™

THE FUTURE OF FLUID DISPENSING.

This setup guide is designed to help
Administrators and Supervisors quickly and easily
get the SmartDispenser™ system running and
logon to Traditional LDS9000 Mode.

If you are unsure of any step or have questions, consult your SmartDispenser™ Setup Guide, contact your Fishman distributer, or call us at one of the numbers below.

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Europe: +441905 456008

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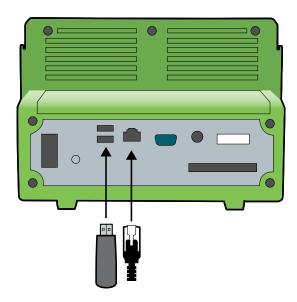
1.0 Prepare your workspace for the SmartDispenser™

1.1 Be sure your work area has access to electrical power. You will not need compressed air. The SmartDispenser™ works without air.





1.2 The SmartDispenser™ utilizes a WiFi (USB WiFi adapter included) or Ethernet connection via the back panel for networking, App downloads, software updates and real time production data over the cloud.



2.0 Unpack your SmartDispenser™ System

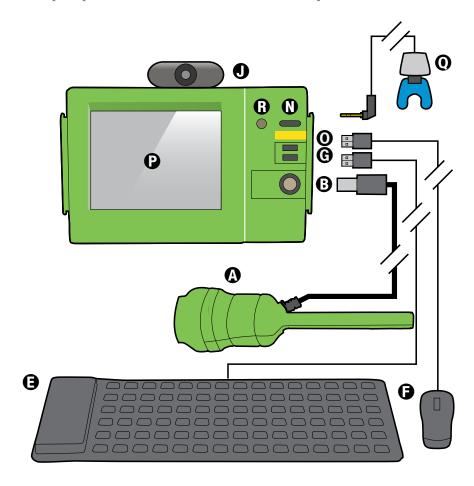
- 2.1 Remove all items from the box.
- 2.2 Use the checklist provided to confirm that all components are present.

3.0 Activate your SmartDispenser™ Warranty online

3.1 Tap/click the *Warranty* icon located on the SmartDispenser™ Home screen, fill out the form and submit to activate your extended two-year no-fault warranty over the internet.

4. Hook up your SmartDispenser™ components

4.1 Refer to the diagram to connect all components and peripheral devices to the SmartDispenser™.

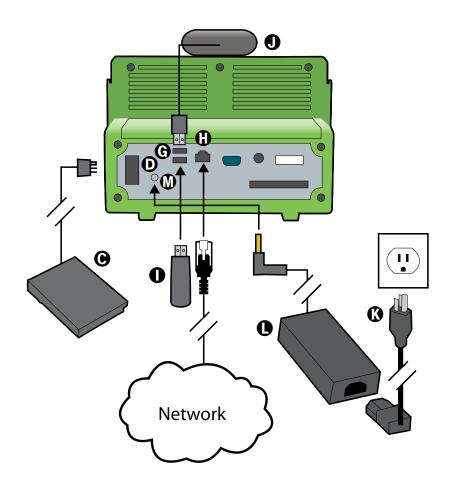


SmartDispenser™ Components

- A. Dispense Gun
- B. Gun Connector
- C. Foot Pedal
- D. Foot Pedal Connector
- E. Keyboard
- F. Mouse
- G. USB connectors

- H. Ethernet Port
- I. Cisco Wireless Connectivity Device
- J. Video Camera
- K. Power Cord
- L. Universal Power Supply

- M. Power Supply Connector
- N. On/Off Button
- O. Power Light
- P. Touch Screen
- Q. Earphone
- R. Earphone Port



- 4.2 Plug SmartDispenserTM dispense gun (A) into gun connector (B) located on the front of the SmartDispenserTM.
- 4.3 Place the foot pedal **②** on the floor and plug it into the foot pedal input connector **③** located on the back of the SmartDispenser™.
- 4.4 Connect the system keyboard **③** and mouse **⑤** using one of the four USB connectors **⑥** located on the front and back of the SmartDispenser[™].
- 4.5 Connect your SmartDispenser™ to an Ethernet network using the Ethernet port ① found on the back of the unit. If you have a wireless network, install the supplied wireless connectivity device ① in one of the USB connectors ⑥ located on the front and back of the unit.
- 4.6 Plug the supplied video camera **①** into one of the four USB connectors **⑥** located on the front and back of the SmartDispenser™.
- 4.7 Connect the power cord (3) to the universal power supply (1).
- 4.8 Connect the universal power supply **①** to the power supply connector **①** on the back of the SmartDispenser™. Plug the power cord **②** into a power outlet.
- 4.9 Connect the 2.5mm earphone **(0)** to earphone port **(3)**.

Startup and Logon the LDS9000 Traditional Mode of SmartDispenser™

5.1 Press the black startup button (1) on the front of the SmartDispenser™. The green power light will illuminate **()**. The system software will now begin to boot up and in approximately 1 minute the Windows 7 Logon screen will display.



5.2 Login as User, Supervisor or Administrator. (Default Supervisor and Administrator password is 1234)

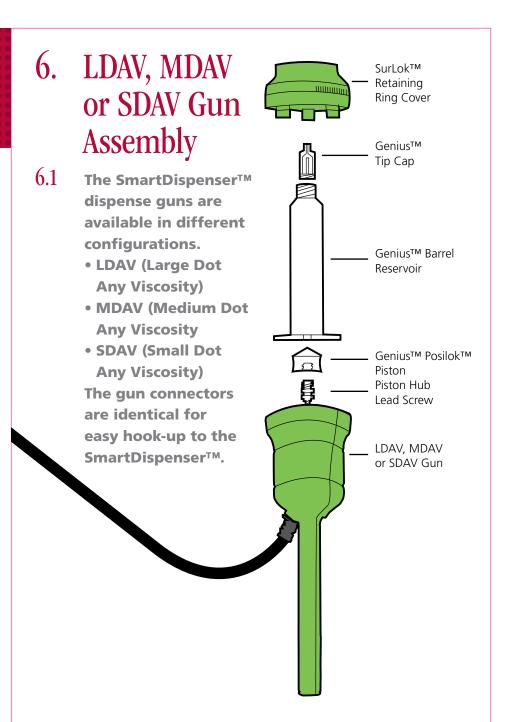


- 5.3 In a few moments, you will be required to fill a Genius™ barrel and piston with your assembly fluid. Refer to syringe filling videos for proper filling instruction. Tap/click Video icon. On the left navigation panel, tap click "Videos" and select one of the listed syringe filling videos.
- 5.4 On home screen Tap/click on the LDS9000 Traditional mode icon.

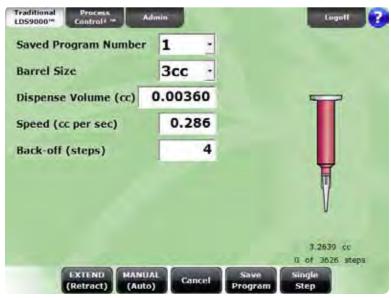




5.5 On SmartDispenser™ Logon screen select **Administrator or Supervisor from drop down** menu. Tap/click password 1234, tap/click "OK", tap/click Logon button.



Attach the Genius™ Barrel Reservoir to LDAV, MDAV or SDAV Gun



7.1 Verify the AUTO(Manual) button is set to MANUAL(Auto). Verify the EXTEND(Retract) button is set to EXTEND(Retract).

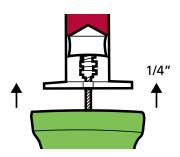




- 7.2 Remove the seal from the GeniusTM barrel reservoir pre-filled with your assembly fluid.
- 7.3 Holding the dispensing gun with the piston hub pointed upward, place the barrel reservoir over the piston hub of the dispensing gun.



7.4 Holding both barrel reservoir and dispense gun loosely, step on the foot pedal until the barrel reservoir ears are raised at least 1/4" (6.35 mm) above the plate.



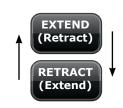
7.5 Manually twist the barrel reservoir in a clockwise direction until the luer lock connector is finger tight and the ears of the barrel reservoir are flush against the retaining plate.



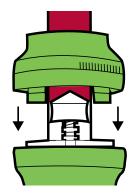
CAUTION:

Do not over-tighten the barrel reservoir. It is only necessary to make a loose connection to bring the barrel reservoir flush. The retaining ring holds the barrel reservoir in place.

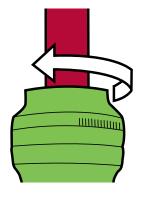
TIP: It may be necessary to tap/click the EXTEND(Retract) button to RETRACT(Extend) and step on the foot pedal to bring the ears completely flush to the retaining plate. If you set the switch to RETRACT(Extend), be sure it is set back to EXTEND(Retract) before proceeding.



7.6 Slide the retaining ring cover over the Genius™ barrel reservoir and align the legs with the open slots of the adapter plate.

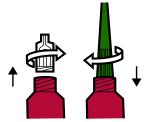


7.7 Rotate the retaining ring cover in a clockwise direction until it locks in place. The barrel reservoir is now firmly connected to the dispenser gun.



8.0 Prime the Genius™ FreeFlow™ Dispense Tip

8.1 Remove tip cap from the barrel by twisting counter-clockwise and pulling. Attach the 18G green Genius™ FreeFlow™ Tapered Tip provided in the Dispense Tip kit.



8.2 Hold the dispense tip over the provided dot chart as shown, press the foot pedal intermittently until the fluid begins to flow towards the end of the GeniusTM FreeFlowTM tip.

Goal: To stop the fluid when flush with the end of the Genius[™] FreeFlow[™] tip with no air pockets.

Tip: Genius[™] all plastic FreeFlow[™] tips work best. There are multiple size tips indicated by color. To find the tip that works best increase or decrease gauge size. If a stainless steel dispense tip is necessary always use .25" length tip.

8.3 If too little fluid: Continue to press on the foot pedal intermittently causing the fluid to flow to the tip.

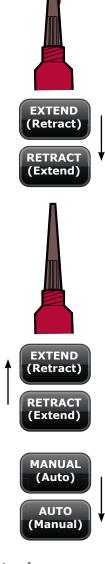
- 8.4 If too much fluid: On the control panel, tap/click the EXTEND(Retract) button to RETRACT(Extend).
- 8.5 Step on the foot pedal in small short pulses until the fluid stops flowing from the tip.

Goal: To stop the forward motion of the fluid by retracting the piston and sucking the fluid back.



Note: If the material continues to ooze, repeat step 8.4 to 8.5.

- 8.7 On the control panel, tap/click the RETRACT(Extend) button to EXTEND(Retract).
- 8.8 Tap/click MANUAL(Auto) button to AUTO(Manual).



- 8.9 Tap/click the arrow next to Barrel Size to drop down menu and select the size of the syringe barrel you are using.
- 8.10 Tap/click "OK" on the pop-up message.

9. Setup a LDS9000 Traditional Mode Program

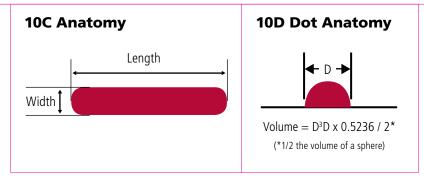
- 9.1 Tap/click the arrow next to the barrel size to drop down menu and select size of syringe.
- 9.2 Tap/click "OK" to the pop-up message.
- 9.3 If dispensing a bead, proceed to 9.5.
- 9.4 If dispensing a dot proceed to 9.6.
- 9.5 Select the length/width closest to your target dispense size on the 9A Bead Chart below. Review information on pages 22-23 and then proceed to 9.7.
- 9.6 Select the dot size closest to your target dispense size on the *9B Dot Chart* to the right. Review information on pages 22-23 and then proceed to 9.7.

9A Bead Chart

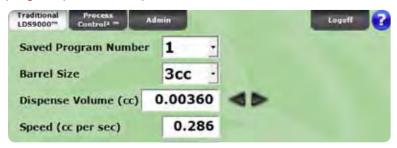
LENGTH	WIDTH			
	1/64(0.396MM)	1/32(0.795MM)	1/16(1.59MM)	3/32(2.38MM)
0.1"	0.00030 CC	0.00126 CC	0.00500 CC	0.01130 CC
1"	0.00310 CC	0.01261 CC	0.05030 CC	0.11300 CC
2"	0.00630 CC	0.02522 CC	0.10050 CC	0.22600 CC
3"	0.00940 CC	0.03783 CC	0.15080 CC	0.33899 CC
4"	0.01250 CC	0.05044 CC	0.20110 CC	0.45199 CC
5″	0.01570 CC	0.06304 CC	0.25140 CC	0.56499 CC
6"	0.01880 CC	0.07565 CC	0.30160 CC	0.67799 CC
7"	0.02190 CC	0.08826 CC	0.35190 CC	0.79099 CC
8"	0.02510 CC	0.10087 CC	0.40220 CC	0.90398 CC
9"	0.02820 CC	0.11348 CC	0.45250 CC	1.01698 CC
10"	0.03130 CC	0.12609 CC	0.50270 CC	1.12998 CC
11"	0.03450 CC	0.13870 CC	0.55300 CC	1.24298 CC
12"	0.03760 CC	0.15131 CC	0.60330 CC	1.35598 CC

9B Dot Chart

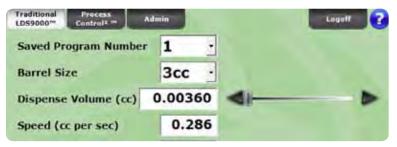
VOLUME	DIAN	METER	SIZE
СС	INCH	ММ	DOT
0.00003	0.02	0.51	•
0.00011	0.03	0.76	•
0.00028	0.04	1.02	•
0.00054	0.05	1.27	•
0.00148	0.07	1.78	•
0.00314	0.09	2.29	•
0.00569	0.11	2.79	•
0.00941	0.13	3.30	
0.01448	0.15	3.81	•
0.02096	0.17	4.31	
0.02950	0.19	4.83	
0.04573	0.22	5.59	
0.05913	0.24	6.09	•
0.07527	0.26	6.60	
0.11583	0.30	7.62	
0.18394	0.35	8.89	
0.27457	0.40	10.16	
0.39094	0.45	11.43	
0.53627	0.50	12.70	
1.80990	0.75	19.05	



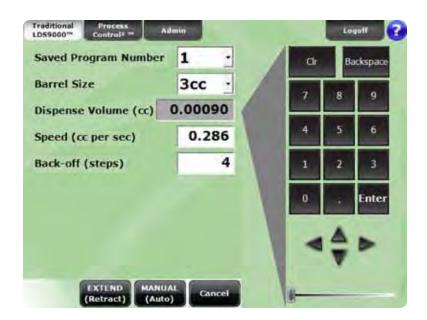
Note: There are three methods of programming numbers in SmartDispenser[™], using either using your finger to tap the touch screen and/or the mouse to use the arrow to click on program parameter input boxes.



1) Tap/click the input box, left/right arrows will appear. Tap/click either arrow to increase or decrease the number.



2) Tap/click a second time to get the arrows to separate revealing a slide bar. Tap/click either arrow to increase/ decrease the number or tap/click and hold grey slider rectangle sliding in either direction for rapid number change.

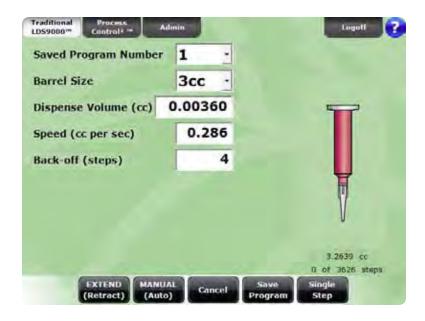


3) Tap/click and hold a third time and keypad will appear.
Tap/click "CLR" button and input the desired number. Tap/click "Enter" button. Upon tap/click of "Enter" button the keypad will automatically move to the next dispense parameter.

Tip: Use the four arrow keys to move up and down from one dispense parameter to another.

Also, use four left/right arrow keys to increase and decrease program parameter number.

Tap/click anywhere outside the key pad to close.



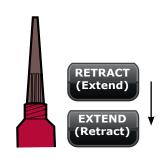
- 9.7 Tap/click Dispense Volume (cc) and input selected volume from the 9A Bead or 9B Dot Chart using one of the input methods explained on pages 22 and 23.
- 9.8 Input the dispense rate in Speed (cc per sec) box using one of the input methods explained on pages 22 and 23.
- 9.9 Set Back-off (steps) to "10" using one of the input methods, explained on pages 22 and 23.
- 9.10 Tap/click MANUAL(Auto) button so **AUTO(Manual) is selected.**



- 9.11 Holding the dispense gun over test sheet press the foot pedal once to activate the dispense cycle and observe fluid flow. Wait until to the fluid comes to a complete stop before starting another dispense.
- 9.12 If fluid is flush at the end of the dispense tip proceed to 9.20.
- 9.13 If fluid is oozing proceed to 9.14. If fluid is recessed proceed to 9.17.
- 9.14 **Tap/click the AUTO(Manual)** button to MANUAL(Auto) and then tap/click the **EXTEND(Retract) button to** RETRACT(Extend).



9.15 Press the foot pedal as many times as needed to stop the fluid flow. If you go too far and suck fluid into the tip tap/click RETRACT(Extend) to EXTEND(Retract) and repeat until fluid is settled at the tip.



9.16 Return to procedural step 9.9, increasing and decreasing Back-off steps until your dispense tip is flush at the end of dispense. If flush proceed to 9.20.

9.17 Tap/click the AUTO/Manual button to MANUAL/Auto and make sure EXTEND/
Retract button is set to EXTEND/Retract.



- 9.18 Press the foot pedal as many times as needed to bring the fluid flush with the tip.
- 9.19 Return to procedural step 9.9 increasing or decreasing back-off steps until your dispense tip is flush at end of dispense. If flush proceed to 9.20.
- 9.20 Tap/click Save Program to save.



- 9.21 Tap/click "Yes" to pop-up message.
- 9.22 Tap/click "OK" to pop-up message.

YOU ARE NOW READY TO DISPENSE.

SmartDispenser™

Meets applicable CE requirements.

Administrator and Supervisor Manual Traditional Mode Setup Guide | Version 1

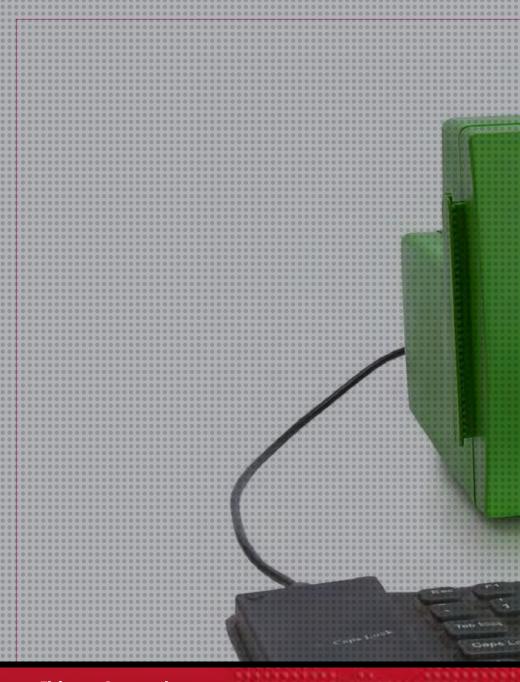
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