Application Methods

LineLazer™ IV 3900, 5900, 200HS Auto-Layout™, and 250SPS System Airless Line Stripers

- For the application of line striping materials. For professional use only. Not for use in explosive atmospheres. -

3300 psi (22.8 MPa, 228 bar) Maximum Working Pressure.

**Important Safety Instructions**

Read all warnings and instructions in the Operations Manual 312190. Save these instructions.
Table of Contents

Quick Guide - LineLazer IV Auto Layout System . 3
Quick Guide - LLIV 250SPS  . . . . . . . . . . . . . . . . . . 4
LineLazer IV Auto-Layout System  . . . . . . . . . . . . . 5
LLIV 250SPS  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 5
Calibration  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 6
Measure Mode  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 7
Basic Stall Layout: Parking Mode  . . . . . . . . . . . . . 8
Basic Stall Layout: Parking Calculation  . . . . . . . 9
Basic Stall Layout: Parking Mode  . . . . . . . . . . . . . 10
Basic Stall Layout: Parking Mode  . . . . . . . . . . . . . 11
Basic Stall Layout: Striping Mode  . . . . . . . . . . . . . 12
Island Stall Layout: Parking Mode  . . . . . . . . . . . . . 13
Island Stall Layout: Parking Mode  . . . . . . . . . . . . . 14
Island Stall Layout: Striping Mode  . . . . . . . . . . . . . 15
Radius Stall Layout: Parking Mode  . . . . . . . . . . . . . 16
Radius Stall Layout: Parking Calculation  . . . . . . . 17
Radius Stall Layout: Parking Mode  . . . . . . . . . . . . . 18
Radius Stall Layout: Parking Calculation  . . . . . . . 19
Radius Stall Layout: Parking Mode  . . . . . . . . . . . . . 20
Radius Stalls Paint lines  . . . . . . . . . . . . . . . . . . . . 21
Angle Stall Layout: Parking Mode  . . . . . . . . . . . . . 22
Angle Stall Layout: Angle Calculation  . . . . . . . . . . . . 23
Angle Stall Layout: Parking Mode  . . . . . . . . . . . . . 24
Angle Stall Layout: Striping Mode  . . . . . . . . . . . . . 25
Cross Hatch Layout: Parking Mode  . . . . . . . . . . . . . 26
Cross Hatch Layout: Striping Mode  . . . . . . . . . . . . . 27
Cross Hatch Layout: Striping Mode  . . . . . . . . . . . . . 28
Marker Mode Layout: Center Lines and Lane Lines
Mode  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 29
Line Layout: Road Mode  . . . . . . . . . . . . . . . . . . . . . . . 30
Notes  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 31
Graco Standard Warranty  . . . . . . . . . . . . . . . . . . . . . . . 32

NOTE: For Best results, always dot in the same direction.
NOTE: Minimum RPM for placing dots is 2600.
NOTE: Minimum pressure on LLIV 250SPS is 1000 psi.
Calibration
Minimum 25 ft precision course

CALIBRATION AND UNITS

Press **REMOTE SWITCH** to START calibration. Press **REMOTE SWITCH** to FINISH calibration.

**IMPORTANT NOTE:** For best results, calibrate to a minimum of 25 ft. Use only steel measuring tape. Precise start and stop are necessary. Calibration distance above 100 ft is not recommended due to inaccuracy with setting up the course. Tire air pressure variations can negatively impact accuracy of unit.

**CHANGE UNITS** changes all displayed values to metric or standard units of measure.
Measure Mode
Used for measuring and marking specific distances

MEASURE MODE
At any time while in MEASURE MODE, momentarily hold down REMOTE SWITCH to apply dot. Holding down REMOTE SWITCH will produce continuous dotted line 1 foot dot spacing when moving, used for pre-marking.

Press REMOTE SWITCH to START. Press REMOTE SWITCH to FINISH. Measurements automatically increment down on screen, last measurements display at all times.

NOTE: The striper measures moving forward or reverse.
Basic Stall Layout: Parking Mode

Establishing outer boundary with reference dots

**NOTE:** For Best results, always dot in the same direction.

**NOTE:** Minimum RPM for placing dots is 2600.

**NOTE:** Minimum pressure on LLIV 250SPS is 1000 psi.

Press **REMOTE SWITCH** to START and FINISH.

Establish enough reference dots to guide striper for applying stall lines. In this case, 18 ft from inner curbing.
Basic Stall Layout: Parking Calculation

Measure for automatic calculation or select desired stall size

PARKING CALC

Press REMOTE SWITCH to START and FINISH calculation. IMPORTANT NOTE:
Start-point and finish-point accuracy is critical.

Press remote switch to start measuring. Follow the established 18 ft reference dots,
measure from start to finish. Press remote switch to stop measuring.

Use up/down arrows to adjust number of stalls as desired.

NOTE: System automatically transfers the calculated STALL SIZE from PARKING
CALC to PARKING MODE screen.
Basic Stall Layout: Parking Mode

Mark dots at beginning of each stall

PARKING MODE

Press REMOTE SWITCH to START and FINISH dots.

Utilizing calculated stall size, apply dots, traveling from start to finish.

NOTE: System automatically transfers the calculated STALL SIZE from PARKING CALC screen if desired.
Basic Stall Layout: Parking Mode

Mark dots at end of each stall

PARKING MODE
Press REMOTE SWITCH to START and FINISH dots.

Press remote switch at start while following curbing as a reference applying evenly spaced dots. Press remote switch at finish to stop dots.

Establish first stall perpendicular to curb as shown (if curbing does not allow room for striper).
Basic Stall Layout: Striping Mode

Paint lines (connect the dots)

STRIPING MODE
Simply connect the dots with your sprayer.
Island Stall Layout: Parking Mode

Establish the center line and outer boundary first

PARKING MODE

Press *REMOTE SWITCH* to start and stop dots.

Establish enough reference dots to guide striper for applying stall lines by using *PARKING MODE* measuring 18 ft out from centerline.

**NOTE:** The striper measures moving forward or reverse, as shown, placing evenly spaced dots at desired spacing.
**Island Stall Layout: Parking Mode**

Place dots at the beginning of each stall line

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**NOTE:** For Best results, always dot in the same direction.

**NOTE:** Minimum RPM for placing dots is 2600.

**NOTE:** Minimum pressure on LLIV 250SPS is 1000 psi.

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**PARKING MODE**

Press REMOTE SWITCH to start and stop dots.

**NOTE:** See Basic Stalls section (pages 4-8) to automatically measure and calculate stall size.
Island Stall Layout: Striping Mode

Paint lines (connect the dots)

STRIPING MODE
Simply connect the dots with the striper.
Radius Stall Layout: Parking Mode
Place evenly spaced dots at beginning of each stall

NOTE: For best results, always dot in the same direction.
NOTE: Minimum RPM for placing dots is 2600.
NOTE: Minimum pressure on LLIV 250SPS is 1000 psi.

PARKING MODE
Press REMOTE SWITCH to START and FINISH.

Establish enough reference dots to guide striper for measuring and applying stall lines. In this case, 18 feet from inner curbing.
Radius Stall Layout: Parking Calculation

Measure inner perimeter distance

PARKING MODE
Press REMOTE SWITCH to START and FINISH measuring.

NOTE: Measure start-point and finish-point accuracy is critical.

Press remote switch at start, follow the curbing as a reference to guide striper along path measuring from start to finish. Press remote switch at finish to stop measuring.

Use up/down arrows to adjust correct number of stalls. New parking stall size will display under STALL SIZE. Establish first stall if curbing does not allow room for striper (in this case 15 less 1 = 14 for the calculation).

NOTE: System automatically transfers the calculated STALL SIZE from PARKING CALC to PARKING MODE screen.

Measure inner perimeter distance

FINISH

START

121.49

18 feet

11/011a

312307E
Radius Stall Layout: Parking Mode

Mark dots at end of each stall

PARKING MODE
Press REMOTE SWITCH to START and FINISH dots.

Utilizing calculated stall size, apply dots, traveling from start to finish.

Establish first stall perpendicular to curb as shown (if curbing does not allow room for stripper).

NOTE: System automatically transfers the calculated STALL SIZE from PARKING CALC to PARKING MODE screen.
Radius Stall Layout: Parking Calculation

Measure outer perimeter distance

PARKING CALC
Press REMOTE SWITCH to START and FINISH measuring. 
NOTE: Start-point and finish-point accuracy is crucial.

Press remote switch at start to begin measuring. Follow the established 18 ft 
reference dots measuring from start to finish. Press remote switch again to stop 
measuring.

Use up/down arrows to adjust correct number of stalls.

NOTE: System automatically transfers the calculated STALL SIZE from PARKING 
CALC to PARKING MODE screen.
Radius Stall Layout: Parking Mode

Place evenly spaced dots at the beginning of each stall.

15 Stalls

START

15 Stalls

FINISH

PARKING MODE
Press REMOTE SWITCH to START and FINISH dots.

Utilizing calculated stall size, apply dots traveling from start to finish.

NOTE: System automatically transposes the calculated STALL SIZE from PARKING CALC to PARKING MODE screen.
Radius Stalls
Paint lines

STRIPING MODE
Simply connect the dots with the striper.
Angle Stall Layout: Parking Mode
Establish the center line and outer boundary

NOTE: For best results, always dot in the same direction.
NOTE: Minimum RPM for placing dots is 2600.
NOTE: Minimum pressure on LLIV 250SPS is 1000 psi.

PARKING Mode
Press REMOTE SWITCH to START and FINISH dots.

Establish enough reference dots to guide striper for applying stall lines by using PARKING MODE measuring 18 ft out from centerline.

NOTE: The striper measures moving forward or reverse, as shown, placing evenly-spaced dots at desired spacing.
Angle Stall Layout: Angle Calculation

Measure outer boundary

ANGLE CALC
Press REMOTE SWITCH to adjust desired angle. Use up/down arrows to set desired STALL DEPTH and STALL SIZE. System automatically calculates “offset” and “dot spacing”.

NOTE: System automatically transfers calculated “dot spacing” from ANGLE CALC to PARKING MODE screen.
Angle Stall Layout: Parking Mode
Mark dots at end of each stall

PARKING MODE
Press REMOTE SWITCH to START and FINISH dots.

If necessary, use PARKING CALC to determine how many 9.32 ft parking stalls will fit.
Angle Stall Layout: Striping Mode
Paint lines (connect the dots)

STRIPING MODE
Simply connect the dots with the striper.
Cross Hatch Layout: Parking Mode
Establish the boundary and apply dots at desired spacing

NOTE: For Best results, always dot in the same direction.
NOTE: Minimum RPM for placing dots is 2600.
NOTE: Minimum pressure on LLIV 250SPS is 1000 psi.

PARKING MODE
Press REMOTE SWITCH to START and FINISH dots.
Adjust STALL SIZE to achieve desired cross hatch spacing.
Place dots around perimeter of area.
Cross Hatch Layout: Striping Mode

Paint lines (connect the dots)

STRIPING MODE
Simply connect the dots with the striper.

Paint interior by connecting the dots. If ends are rounded as shown, make sure you establish this before painting.
Cross Hatch Layout: Striping Mode

Paint perimeter (connect the dots)

STRIPING MODE
Large or small, cross hatching jobs can be simplified by following these simple steps, eliminating the inconsistencies found on many job sites today.
Marker Mode Layout: Center Lines and Lane Lines Mode

Paint lines (connect the dots)

MARKER MODE
Automatic marker layout example shows typical lane line layout for reflective markers. Set space sizes up to 8 consecutive measurements. By leaving zeros in any space, AutoLayout will skip to the next measurement in a continuous loop.

OTHER USES:
- Multiple spaced handicap stall layout
- Double line stalls
Line Layout: Road Mode

Skip line

ROAD MODE
Automatic skipline layout for roads, bike trails, and airports.
Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

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ADDITIONAL WARRANTY COVERAGE
Graco does provide extended warranty and wear warranty for products described in the “Graco Contractor Equipment Warranty Program”.

Graco Information

For the latest information about Graco products, visit www.graco.com.

TO PLACE AN ORDER, contact your Graco distributor or call 1-800-690-2894 to identify the nearest distributor.