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BEFORE YOU START!

- All on-screen instructions MUST be followed. Straying from the on-screen instructions could cause damage to the machine and the user.
- Always check that wires and tubes are clear before fitting The Stinger or Pad Head. Failure to do so could cause machine damage.
- The Stinger and Pad Head should be stored in their foam case. To prevent loss or damage always store The Stinger and Pad Head in their case as soon as they are removed.
- Do NOT twist or rotate any connectors. This will cause damage to both the ROTOR and The Stinger.
- Take care when removing The Stinger or Pad Head. The magnets are very strong do not let The Stinger of Pad Head collide with the ROTOR HDA.
- Pull all connectors by their plugs only. NEVER pull connectors by the cables or damage will occur.
- · Always pinch down the white ring on the pneumatic connectors when removing. The white ring locks the connector in place, trying to remove without unlocking will cause connection damage.
- Ensure black connectors are orientated correctly. The black connectors have locators that need to be align before inserted. Misalignment will cause damage.
- During head removal, always ensure the push cylinder is cleared before moving away from the carriage. The push cylinder runs from the carriage arm into The Stinger/Pad Head. If either are not pulled down far enough during removal, the cylinder will catch and damage the ROTOR HDA.
- Ensure the unused connector is securely in the holder before operating the ROTOR HDA. A loose cable may cause machine damage.
- · Always ensure the power is OFF before changing heads. Leaving the power on cau sea a hardware crash.
- Ensure The Stinger's pin cartridge is pushed to back left corner of ROTOR pad rim. This is to avoid damage to the pad rim's locator pins.

- 3. Introduction
- 4. Anatomy & features
- 6. Cleaning pins
- 7. Selecting & running from .csv file
- 10. Selecting manual mode
- 11. Manual 96-density
- 12. Manual 1536-density
- 13. Lawn / bath pinning
- 14. Notes

THE STINGER

INTRODUCTION

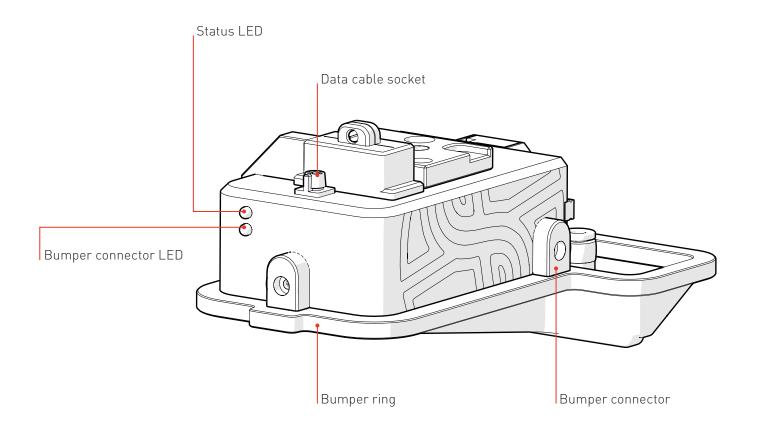
The Stinger is an accessory for the ROTOR HDA which enables individual colony manipulation by using one pin at a time. It allows colonies of interest to be cherry-picked from one (or multiple) source plate(s) to one (or multiple) target plate(s) on agar or in liquid medium. Programs may be compiled by file upload or by manual operation.

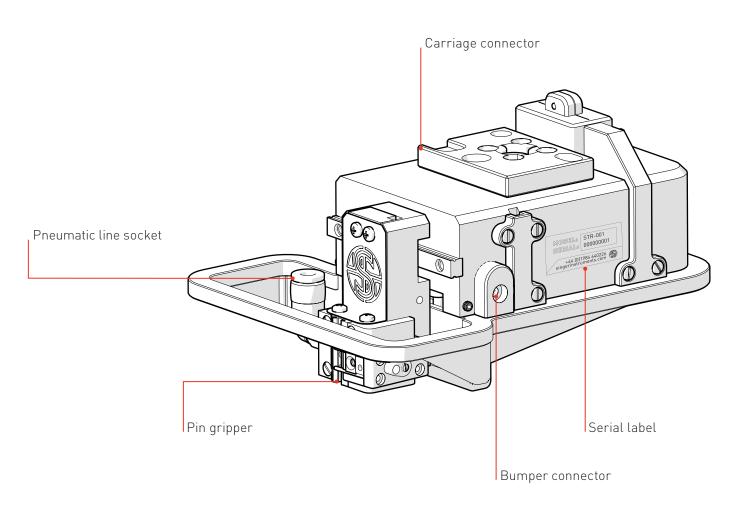
USER GUIDE

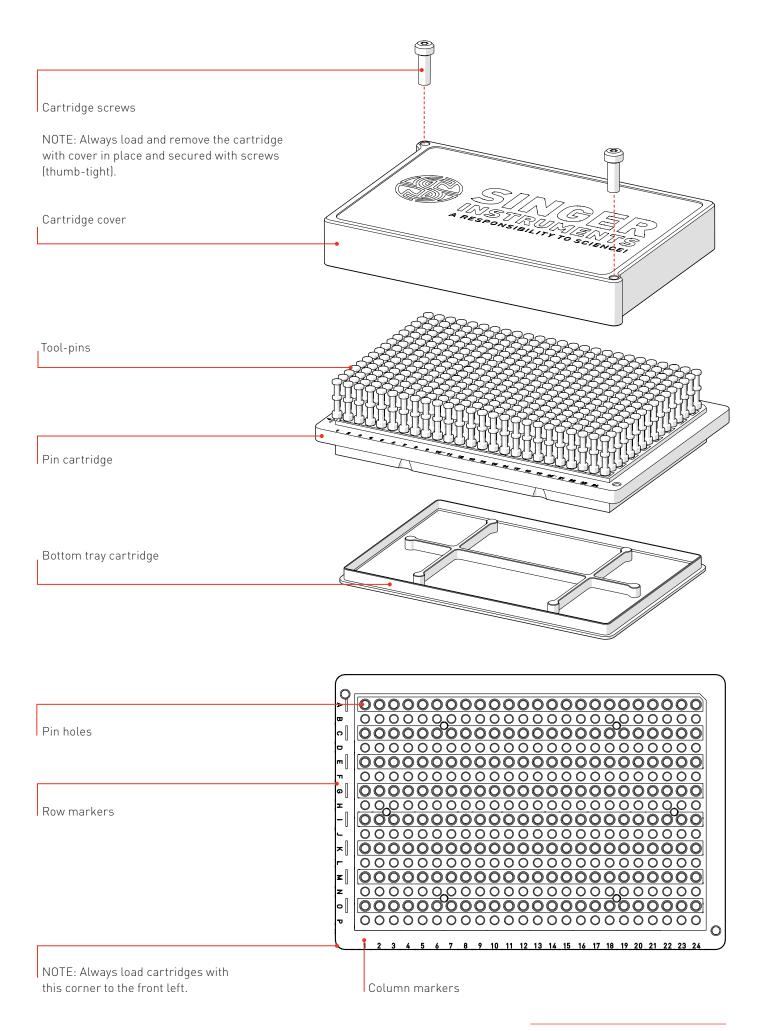
Follow these instructions to get the most out of The Stinger single colony picker. This guide outlines basic maintenance of The Stinger as well as using the software for a number of tasks. Read through this guide and you'll be ready for the exciting world of ultra-fast colony picking

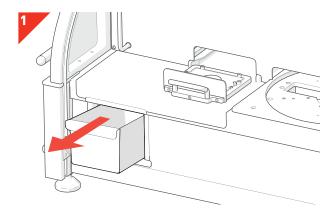
DISCLAIMER

At Singer Instruments, we are constantly seeking to improve our products and adapt them to the requirements of modern research techniques and testing methods. This involves modification to the mechanical structure and optical design of our instruments. Therefore, all descriptions and illustrations in this user guide, including all specifications are subject to change without notice.

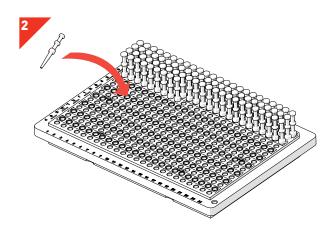




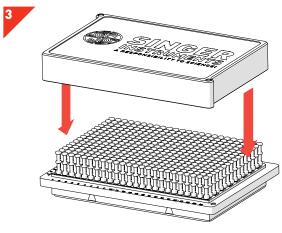




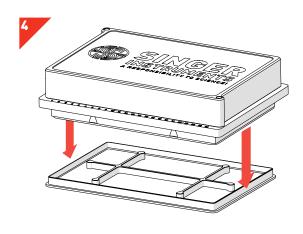
· Remove *Dump Drawer* from the ROTOR HDA.



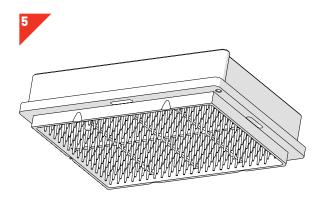
· Load *Used Pins* into the empty *Pin Cartridge*.



· Secure the *Cartridge Cover* to the full Pin Cartridge using the two *Cartridge Screws*.

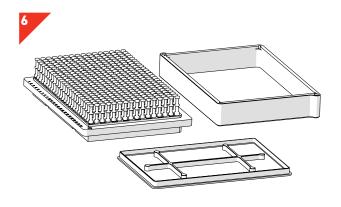


· Remove the *Bottom Tray Cartridge* to enable access to the points of the used pins.



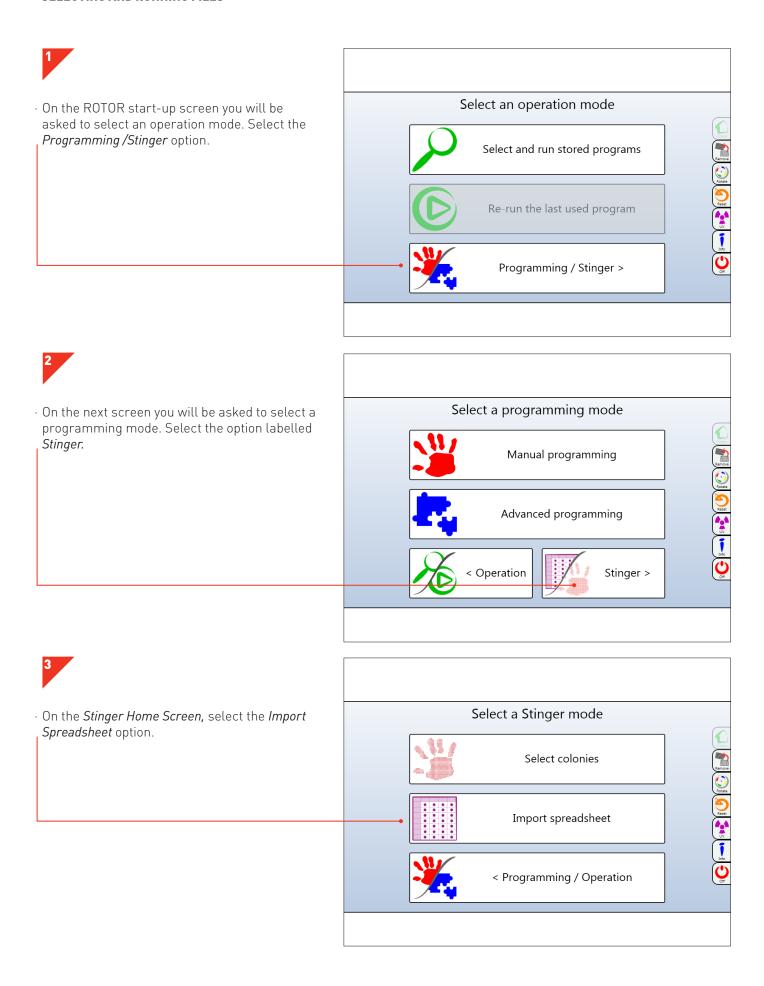
· Scrub the exposed *Pin Tips* with a 70% ethanol solution to clean, then rinse.

· Remove the Cartridge Cover and leave to dry.

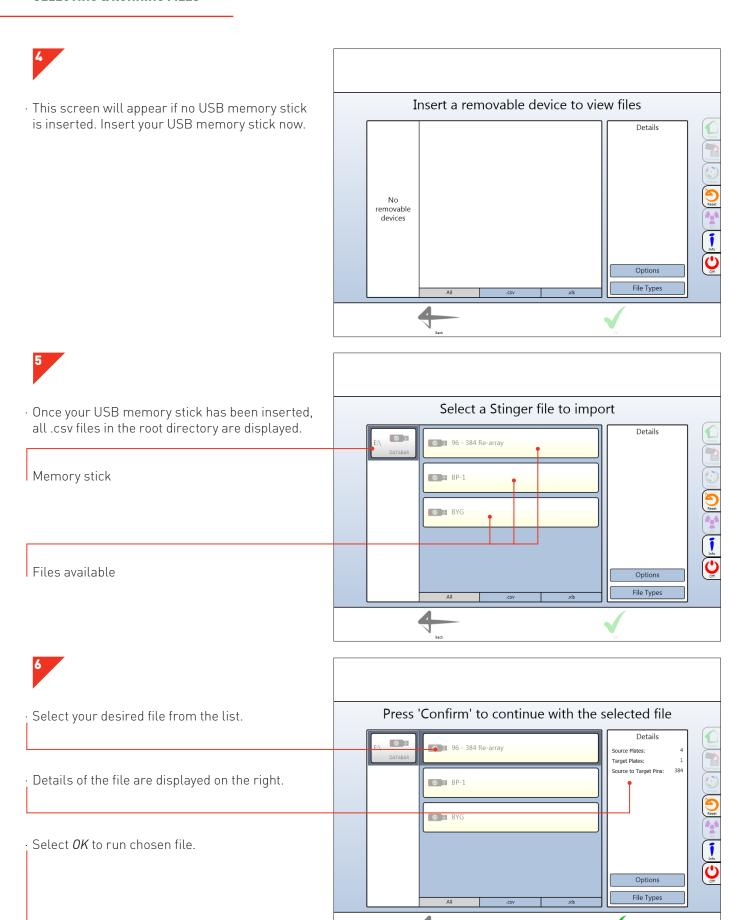


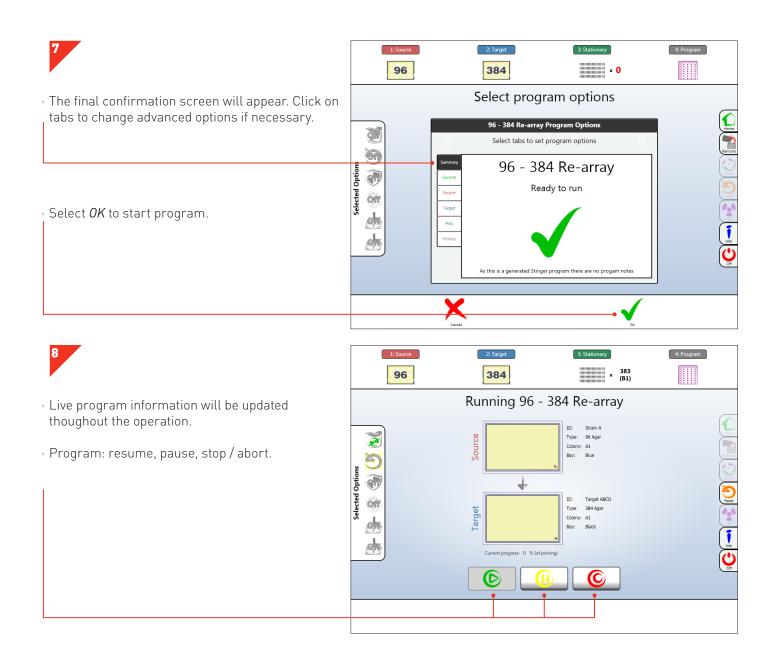
· Autoclave all parts of the Cartridge. Keep the pins in the cartridge but leave off the *Bottom Tray* and for optimum sterilisation.

SELECTING AND RUNNING FILES

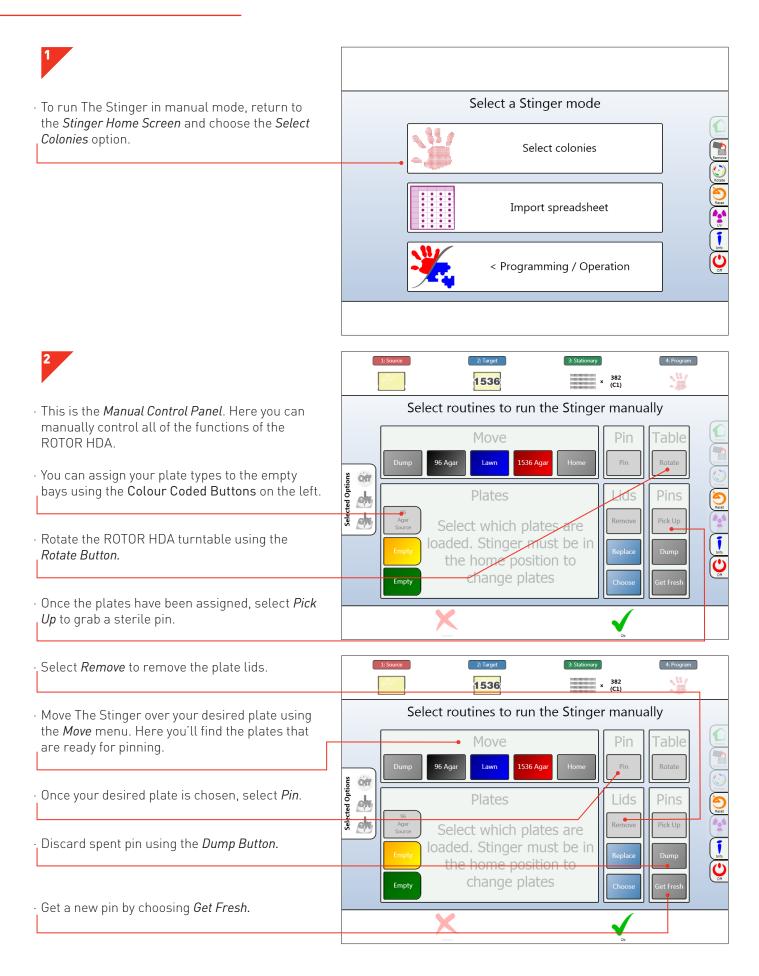


SELECTING & RUNNING FILES

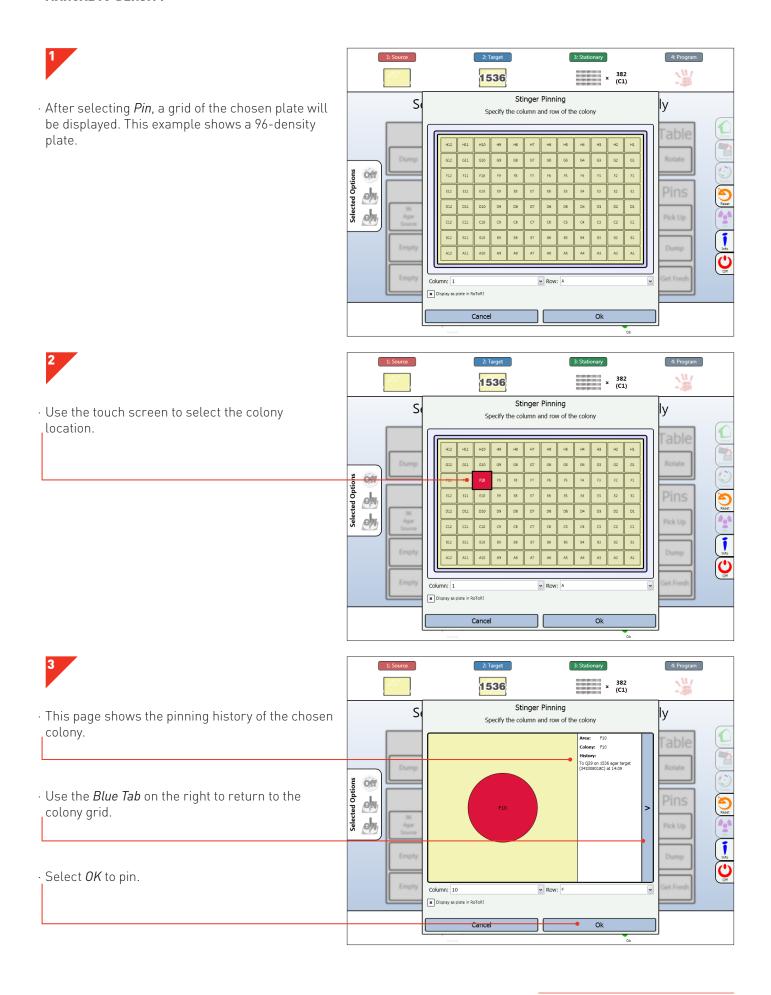


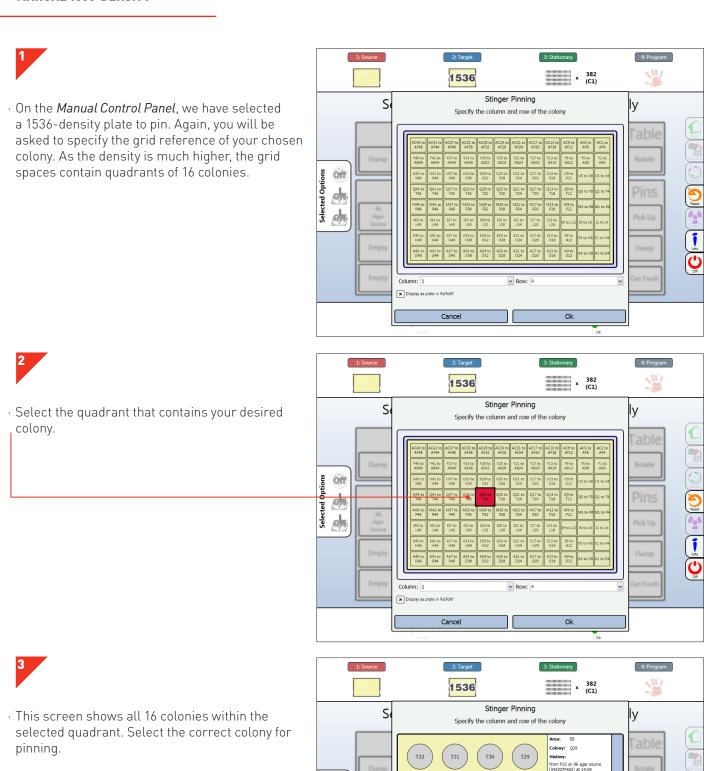


SELECTING MANUAL MODE



MANUAL 96-DENSITY





Off

OAF

OA

S32

R32

Q32

Column: 29

Q31

S30

S29

Row: Q

Selected Options

 \cdot The pinning history of the selected colony is

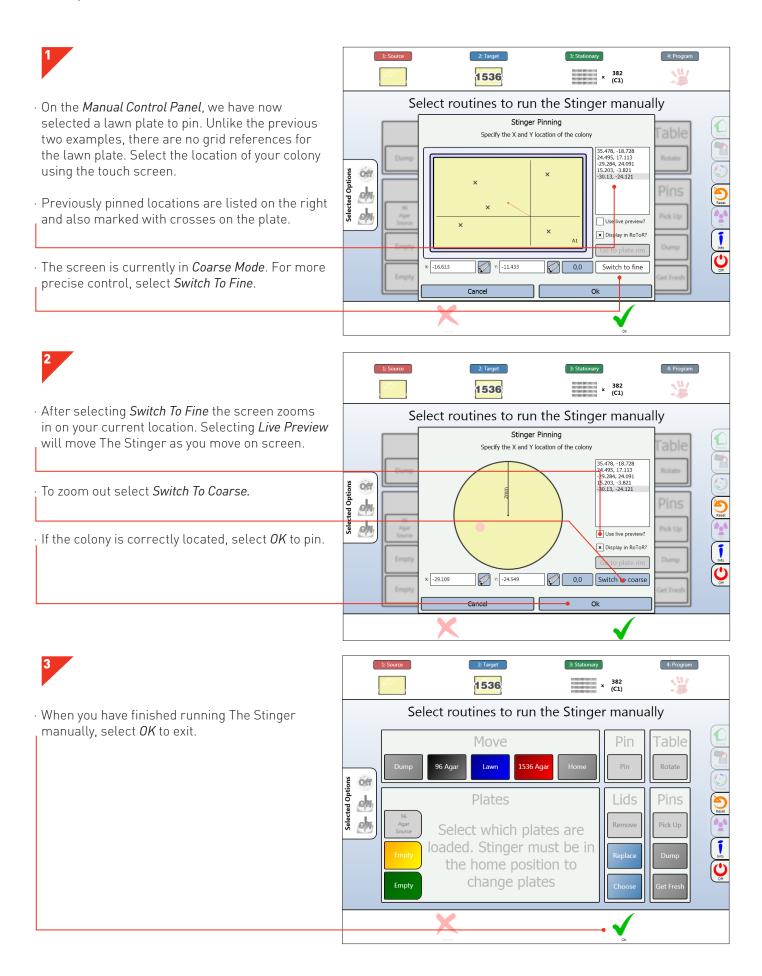
· Use the Blue Tab on the right to return to the

displayed on the right.

colony grid.

Select *OK* to pin.

LAWN / BATH PINNING



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13

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15



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