



# GETTING STARTED GUIDE

SPL Guard Florida



[www.splguard.com](http://www.splguard.com)

# GETTING STARTED

## With the SPL Guard Florida

The SPL Guard Florida thawing station is a solution for thawing samples in a multi rack capacity to keep up with the ever increasing speed of automation, high throughput screening, and biobanking. The thawing station can be used standalone or on a robotic workstation like a liquid handler.

### COMPONENTS

SPL Guard Florida Thawing Station	1	Cable for remote I/O	1
12 AV/DC adaptor	1	Tube Rack High	1
Microplate cradles SBS format	10	Tube Rack Low	1

### INSTALLATION STANDALONE SETUP

- Step 1: Remove the SPL Guard Florida thawing station from packaging.
- Step 2: Plug the adaptor into the jack on the back of the unit. Please note: only use the power adaptor which is supplied with the equipment.
- Step 3: Connect the adaptor plug to an electrical outlet.
- Step 4: Position the unit with the logo side facing out.
- Step 5: Leave at least 6 inches / 15 centimeters of space for free air flow at the back of the unit.
- Step 6: Position plate cradles in any desired portrait or landscape configuration.

### OPERATION INSTRUCTIONS

There are two operational modes: Direct Mode and Remote I/O.

- Option 1: Move the 3-way switch towards the rear of the unit for Direct Mode. This will directly power on the unit for standalone use. In Direct mode the thawing station will run continuously until the unit is manually powered off by moving the switch to the center position.
- Option 2: Move the 3-way switch towards the front of the unit for Remote I/O. This will enable remote I/O control through your automated system. In Remote I/O the thawing station can be toggled on or off

via the software controls for the selected remote port.

### INSTALLATION ON A ROBOTIC WORKSTATION

- Step 1: Install the SPL Guard Florida in any available space on your workstation deck as described in installation standalone setup – step 1 up to 4.
- Step 2: On Tecan Freedom EVO® liquid handlers, the SPL Guard Florida should be positioned with its front surface flush to the backside of carriers affixed to the central working surface to allow robotic arm access. On other liquid handlers, position the SPL Guard Florida as required for desired access to robotic manipulators.
- Step 3: Connect the remote access cable to the remote port next to the power switch.
- Step 4: On Tecan Freedom EVO® liquid handlers, connect the other end of the remote cable to any available 3 pin I/O port on the SMIO board. For integration with other liquid handlers connect remote cable to any 3 pin port with the following (L-R) pinout: Blank / +24V / Ground. If no such connection is available, contact your local distribution partner as custom remote cables may be purchased separately.
- Step 5: Position plate cradles onto top surface as desired for matrixing to automated scripts.



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