

# STIRLING VAULT100™ PRO QUICK GUIDE



clip, laminate, keep with freezer

## INITIAL SETUP

1	Unpack freezer unit and included components, ensure all packaging material has been removed from GUI.
2	Adjust the leveling feet (wrench included) to secure the freezer in place.
3	Plug AC power cord into the main power socket at the back of the unit and then into an electrical outlet of 120-240Vac, 50/60Hz.
4	Switch AC power to the "On" position.
5	<b>Notice:</b> Ensure the access port stopper is in place.
6	Review the date, time and temperature set point within the Graphical User Interface and adjust as needed. Default set point is -80°C.

## GUIDE TO BASIC GRAPHICAL USER INTERFACE (GUI) FUNCTIONS

ON / OFF	Switch the main power on, located at the back of the unit adjacent to the AC cord.
Enable/Disable PINs	Tap Configurations Icon  > PIN > Enter New PIN and Confirm New PIN > Save  Tap Service Icon  > PIN > Enter Service PIN > Enter Current PIN, New PIN, and Confirm New PIN > Save  <i>To disable, enter Current PIN and complete the process leaving New PIN and Confirm New PIN blank.</i>
Change Setpoint	Tap Configurations Icon  > Enter PIN* > Enter* > Settings > Setpoint Temperature > +/- to adjust > Save
Silence Alarm	Tap Speaker Icon  in bottom-right corner
Event Log	Tap Information Icon  > Event Log > touch & drag to scroll up/down
Charts	Tap Charts Icon  > Select Chart Period > use left/right arrows to view

## GUIDE TO ADVANCED GUI FUNCTIONS

Alarm Set-up	Tap Configurations Icon  > Enter PIN* > Enter* > Alarms > Select Alarm Type > +/- to adjust > Save
Date and Time	Tap Configurations Icon  > Enter PIN* > Enter* > Settings > Date/Time > Select Date/Time component > +/- to adjust > Save
Calibrate RTDs	Requires Authorized Service & PIN* Tap Service Icon  > Enter Service PIN* > Enter > Engine > RTD Calibration > +/- to adjust > Save

\*if PIN is enabled

Stirling Ultracold 6000 Poston Road, Athens, Ohio 45701, USA  
T 740.274.7900 / 1.855.274.7900 | F 740.274.7901 | [www.stirlingultracold.com](http://www.stirlingultracold.com)

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## Handle Operation

The Stirling Ultracold handle is designed for one-handed operation. To open the freezer, rotate handle towards the user approximately 90°. To engage the Power-Release, apply firm downward pressure on the handle while in its open position. The Power-Release assists when the freezer door is adhered to the gasket after long periods of non-use as well as when air pressure is not yet equalized. To close, with handle in the horizontal position, push door to cabinet and return the handle to its original vertical position.

## CAUTION: Tipping Hazard

The unloaded freezer is TOP HEAVY. Use caution in moving and installation. Do not pitch the freezer more than 12 degrees from horizontal. Doing so may cause it to tip over.

## DANGER: Flammable Refrigerant Used, Risk of Fire or Explosion

VAULT100 uses 90 grams of R-170 (Ethane) in a hermetically sealed thermosiphon tube. It requires caution in use/repair.

A. **Danger** – Do not drill or puncture inner liner.

B. **Danger** – To be repaired only by authorized service providers. Do not puncture refrigerant tubing.

C. **Caution** – Consult Service Manual/ Operating Manual before attempting to service this product. All safety precautions must be followed.

D. **Caution** – Dispose of flammable refrigerant properly in accordance with federal or local regulations.

E. **Caution** - Follow handling instructions carefully.



Download Operator and Quick Guide manuals in the language of choice at:

[stirlingultracold.com/manuals](http://stirlingultracold.com/manuals)