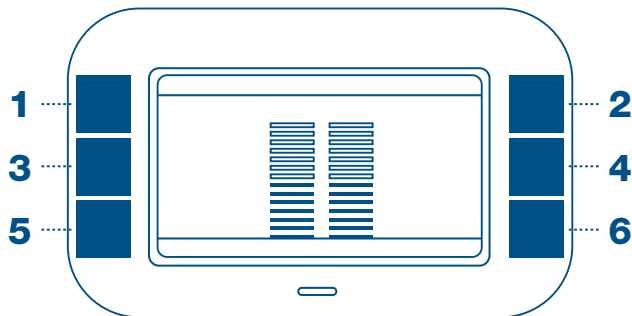


CONTROLLER FUNCTIONS



To access the controller menu screen, press buttons 5 and 6 simultaneously and hold until the menu screen appears. To scroll between menu settings, use button 1 for UP, button 5 for DOWN, and button 3 for DONE.

A. CONTROLLER

The Controller Screen shows information regarding the rack, controller and blowers. The software version currently running on the controller will be displayed on the controller screen.

B. RACK

The Rack Screen shows rack type, version, configuration, airflow and fan speeds for diagnostics.

C. NETWORK INFO

The Network Info screen shows the controller network connection if the Innovive RackNet® Package has been purchased.

D. RACK ORIENTATION

The Rack Orientation screen allows you to change the orientation of the display to match the orientation of Side A/B when the controller is mounted on the end of a rack. User options are Auto, Normal, and Reversed. *Auto is recommended.

E. SOUND VOLUME

To adjust overall sound volume of the controller use button 2 for volume UP, button 6 for volume DOWN, button 4 for MUTE.

F. LOCKING THE CONTROLLER

To prevent inadvertent changes to the Innorack® system, the controller may be set to LOCK mode. To lock the controller press buttons 1 and 6 simultaneously for three seconds until lock icon is displayed.

G. UNLOCKING THE CONTROLLER

To remove LOCK, press buttons 1 and 6 simultaneously for three seconds until lock icon disappears.

H. MONITORING RACK PERFORMANCE

The controller screen indicates rack performance with the following colors:

GREEN: Actual values are WITHIN the range of acceptable values.

ORANGE: Indicates when actual values are SLIGHTLY outside acceptable parameters.

RED: Indicates the rack is operating OUTSIDE the range of acceptable values.

I. ALARMS

When an alarm event occurs, an alarm message is displayed on the controller display and an audible alarm will sound until the alarm is corrected or the mute button is pressed.

J. SNOOZE BUTTON

To snooze an alarm, press button 4. The alarm will snooze for 5 min.

K. MUTE BUTTON

Press button 6 once. The MUTE icon will be displayed on the screen. To cancel MUTE press button 6 again.

L. DISMISSING AN ALARM

To dismiss the alarm press button 5. An alert icon will appear on the screen. To display the alert message again press button 5 next to the icon.

M. MORE THAN ONE ALARM

In the event of more than one alert the controller will indicate the total number of alerts under the alert text. To scroll through the alerts press button 2 (next) and button 1 (previous).

N. CLEAR SCREEN

Alarms should clear themselves when the alert condition is addressed. In the event the controller still displays the alarm code after alarm condition has been addressed please reset the controller by removing and reinserting the controller cable.

CALIBRATION PROCEDURES

BEFORE OPERATING THE INNORACK, LEAVE THE RACK RUNNING IN ITS OPERATING ENVIRONMENT FOR 24 HOURS.

ALL RACKS MUST BE CALIBRATED PRIOR TO OPERATING.

DO NOT PRESS ANY BUTTONS WHILE BLOWER IS CALIBRATING.

DO NOT DISCONNECT BLOWERS WHILE RACK IS POWERED ON!



IT IS RECOMMENDED TO REPEAT THE BLOWER CALIBRATION PROCEDURE EVERY 6 MONTHS.



STEP 1. GETTING TO THE BLOWER CALIBRATION SCREEN

- Press and hold bottom buttons 5 and 6 on the digital controller until the menu screen appears.
- Scroll UP (button 1) or DOWN (button 5) until you reach the Blower Calibration screen.
- Press START to begin.

The controller will confirm the number of rack sides and current blower calibration values.

STEP 2. DISCONNECT HVAC BEFORE CALIBRATING

- Make sure the rack is disconnected from the HVAC system.
- Press CALIBRATE to begin.
- Press CONFIRM to ensure the rack is disconnected from all HVAC systems.

STEP 3. CALIBRATING THE BLOWER

After confirming the rack is disconnected from the HVAC, calibration of each blower will begin.

During the calibration process, the following will take place:

1. Airflow set points will be saved.
2. Blower fans will be turned off, and the controller will wait 30 seconds for the fans to stop spinning.
3. Each blower will be calibrated in sequence.

As each blower is calibrated, the updated calibration values will be displayed at the bottom right of the calibration screen.

STEP 4. BLOWER CALIBRATION IS COMPLETE

SUCCESS: Upon successful recalibration of all blowers, airflow set points will be restored. Blower calibration screen will remain displayed. To exit blower calibration screen, press DONE.

PROBLEMS: If any problems are encountered during the blower calibration process, airflow set points will be restored. Problem message will appear on the screen. Contact Innovive support for assistance.

If failure occurs, restart the blower calibration process, press RESTART. To cancel the blower calibration process, press DONE.

FILTER MAINTENANCE

FILTER MAINTENANCE AND REMOVAL

The blower pre-filters must be cleaned or changed every three to six months depending on the room cleanliness.

The foam pre-filters for the supply and exhaust blowers are washable with soap and water.

Allow the washed filters 12 hours to dry before re-installing in the blowers. HEPA filters should be replaced on a timeline according to your internal protocol or every 5 years.

The procedure for replacing pre-filters and HEPA filters is shown below.

The procedure for replacing HEPA filters for both supply and exhaust blowers is the same.

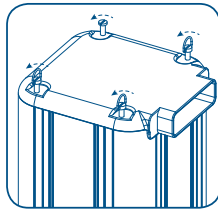
RISK OF ELECTRICAL SHOCK!

Always turn off and disconnect all power sources prior to performing any maintenance!



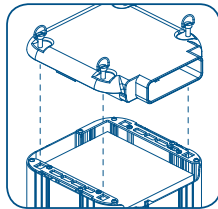
1

Unscrew captive quarter-turn fasteners; captive screws only pop up and do not detach from the blower top.



2

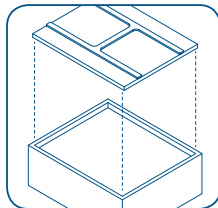
Remove top of blower and set aside.



3

For supply blowers, remove the supply pre-filter from the top side of the HEPA filter (ensure pre-filter is positioned on the top of the HEPA filter).

Reinstall with the pre-filter facing up after cleaning.

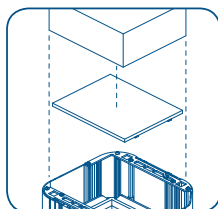


4

For exhaust blowers, remove the HEPA filter from the blower.

Turn the HEPA filter over and remove the exhaust blower pre-filter from the back side of the HEPA filter (ensure pre-filter is positioned on the bottom of the HEPA filter when doing a replacement).

Reinstall HEPA filter with pre-filter facing down after cleaning.



TROUBLESHOOTING

TROUBLESHOOTING ALARMS & ALERTS

Alarms or alerts on the Innovive controller can often be resolved by following the steps below.

1. Clean the supply AND exhaust pre-filters as stated in the "Filter Maintenance" section of this Operators Guide.

****Be sure to turn the rack off before removing any connections.****

2. Recalibrate the rack and blowers as stated in the "Calibration Procedures" section of this Operators Guide.

If you experience a persistent alarm or alert after doing the steps above, Innovive can assist you in troubleshooting the issue by utilizing the following information from the "RACK" diagnostic screen.

Up

Done

Down

Rack		1/8
Rack type	Mouse v3.5 (F)	
Rack sides	1	
Rack height	9	
Rack width	8	
Controller	N/A	
Rack version	3.6 3.6	
Blower Version	3.8 1.7	
Airflow	70 / 46 54% / 36%	
Fan Speed	0 4710 0 2220	

Rack info

ACCESSING THE "RACK" SCREEN

Access the controller menu screen by pressing buttons 5 and 6 simultaneously until the menu screen appears.

Scroll between menu settings using button 1 for up or button 5 for down until you reach the "RACK" selection.

Please submit a photo or record all the information on the "RACK" screen and send via email to support@innovive.com or call us at (866) 432-2437 for further assistance.

ADDITIONAL SUPPORT



CONTACT SUPPORT

(866) 432-2437 | support@innovive.com



REQUEST AN INNORACK® MANUAL (PDF)

Email us at info@innovive.com



VIDEO RESOURCES

www.innovive.com/resources/video-training.html