

Lowell RCC-2236

Lowell RCC-2236 RCC Series Remote Consolidation Cabinet User Manual

Model: RCC-2236

1. INTRODUCTION AND OVERVIEW

The Lowell RCC-2236 RCC Series Remote Consolidation Cabinet is a 36-inch high, dual-bay, wall-mount enclosure designed to secure network equipment with minimal intrusion into the room. Constructed from 16-gauge steel, it features an 11-gauge rail system and a Network Grey powder epoxy finish. This cabinet maximizes internal space by offering two distinct mounting bays: a 2U upper bay for horizontal-mounting shallow panels and a 2U lower bay for vertical-mounting 19-inch equipment up to 30.2 inches deep. It includes a reversible front door, an electrical box in the base, and is manufactured in the U.S.A.

This manual provides essential information for the proper installation, operation, and maintenance of your RCC-2236 cabinet.

2. KEY FEATURES

- **Durable Construction:** 16-gauge steel construction ensures robust protection for your equipment.
- **Cable Management:** Rear cutouts facilitate fitting over wall obstructions and aid in organized cable routing.
- **Upper Bay:** 11-gauge rails in the 2U top section accommodate shallow patch panels and pivot down for easy access.
- **Lower Bay:** 11-gauge rails in the 2U bottom section allow vertical mounting of 19-inch equipment up to 30.2 inches deep.
- **Dual-Punch Rails:** All rails feature both 10-32 tapped holes (screws included) and square openings for alternate hardware (12-24 or 6mm screws, not included).
- **Vented Front Door:** Features beveled edges, an inset handle, and is reversible for left or right swing.
- **Knockouts:** Provided in the top and base for cable entry and exit.
- **Bridge Lances:** Multiple bridge lances are included for additional cable management.

- **Fan Accommodation:** Vents in the base are designed to accommodate optional single fan kits for cooling.
- **Integrated Electrical Box:** An electrical box is included in the base for power distribution.
- **Security:** Side key lock provides secure access to the cabinet's contents.
- **Finish:** Network Grey powder epoxy finish for durability and aesthetics.

3. SETUP AND INSTALLATION

This section outlines the general steps for installing the Lowell RCC-2236 cabinet. Professional installation is recommended.

3.1 Unpacking and Inspection

1. Carefully remove the cabinet from its packaging.
2. Inspect the cabinet for any signs of shipping damage. Report any damage to your supplier immediately.
3. Verify that all components are present according to the packing list.

3.2 Mounting Location Selection

Choose a suitable wall location that can support the cabinet's weight (49 lbs empty) plus the weight of all installed equipment (up to 150 lbs load capacity). Ensure adequate clearance for the door swing and cable access. Consider environmental factors such as temperature and humidity.

3.3 Wall Mounting

The cabinet is designed for wall mounting. Use appropriate fasteners (not included) suitable for your wall construction (e.g., wood studs, concrete, drywall with anchors). Utilize the rear cutouts for mounting over wall obstructions and for cable entry.



Figure 1: Interior view of the Lowell RCC-2236 cabinet with the door open, illustrating the upper and lower mounting bays, 11-gauge rails, and rear cable management cutouts. The cabinet is shown in its Network Grey finish.

3.4 Equipment Installation

1. **Upper Bay (Horizontal):** The 2U upper bay rails pivot down for easier access. Install shallow patch panels or similar equipment using 10-32 screws (included) or alternate hardware.
2. **Lower Bay (Vertical):** Install 19-inch equipment vertically in the 2U lower bay. The rails accommodate equipment up to 30.2 inches deep. Use 10-32 screws or alternate hardware.
3. **Cable Management:** Utilize the rear cutouts, knockouts in the top and base, and multiple bridge lances to route and secure cables neatly.
4. **Electrical Connections:** Connect power to the integrated electrical box in the base as required by your equipment. Ensure all electrical work complies with local codes.

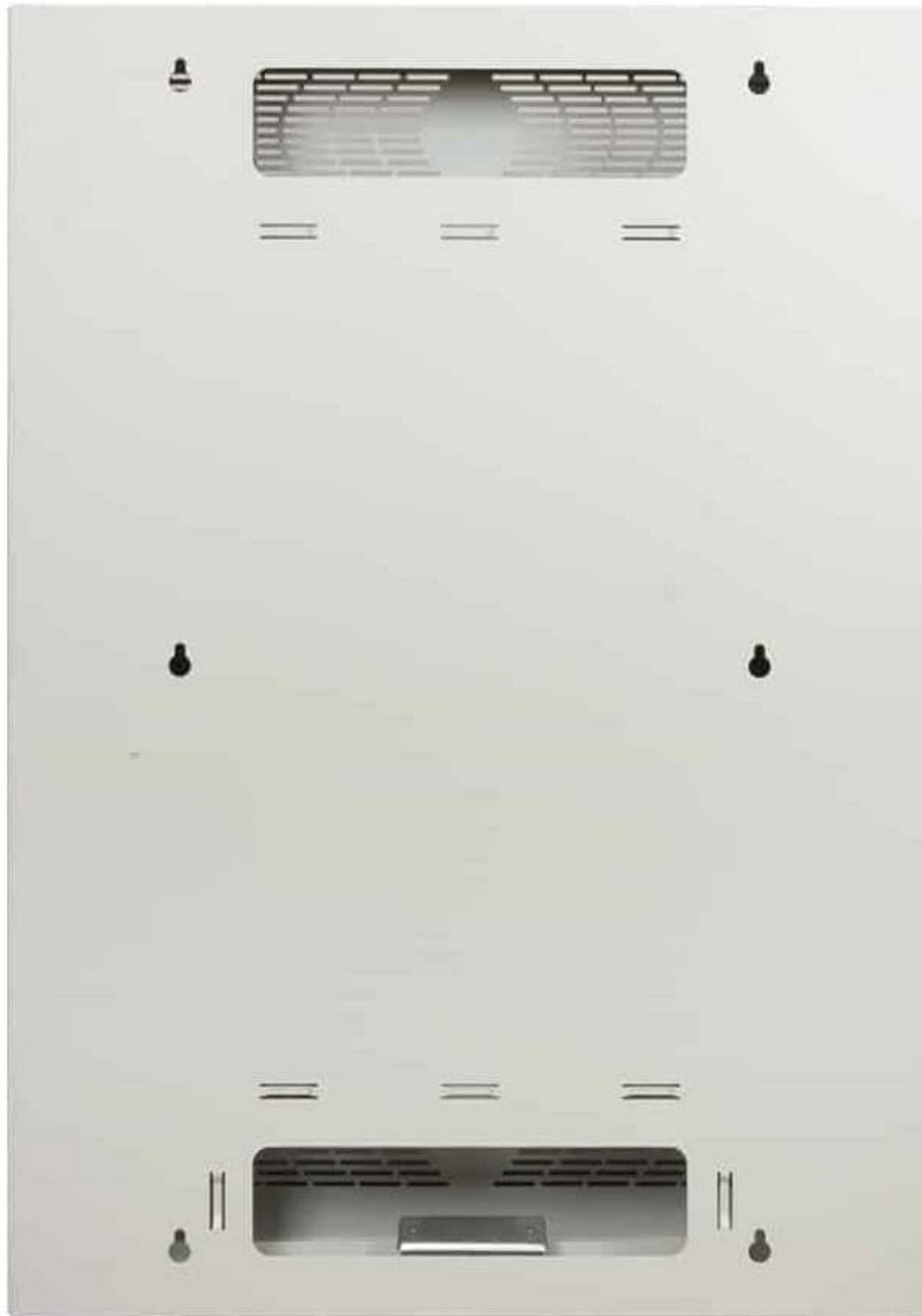


Figure 2: Rear view of the Lowell RCC-2236 cabinet, highlighting the mounting points, ventilation slots, and knockouts for cable entry and exit in the top and base sections.

4. OPERATING INSTRUCTIONS

The RCC-2236 cabinet is designed for straightforward operation.

- **Accessing Equipment:** Use the provided key to unlock the side key lock. The front door can be opened for full access to the interior. The door is reversible, allowing it to swing from either the left or right side, depending on installation preference.

- **Securing the Cabinet:** Always ensure the door is closed and locked when equipment is not being accessed to prevent unauthorized entry and protect contents.
- **Ventilation:** The cabinet features vents in the base. If optional fan kits are installed, ensure they are functioning correctly to maintain optimal operating temperatures for your equipment.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RCC-2236 cabinet.

- **Cleaning:** Periodically wipe down the exterior of the cabinet with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the powder epoxy finish.
- **Inspection:** Annually inspect all mounting hardware to ensure it remains secure. Check the door hinges and lock mechanism for smooth operation.
- **Cable Management:** Review cable routing periodically to ensure cables are not pinched or stressed, and that airflow is not obstructed.
- **Fan Maintenance (if applicable):** If optional fan kits are installed, clean fan filters (if present) and ensure fans are free of dust and debris to maintain efficient cooling.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your RCC-2236 cabinet.

Problem	Possible Cause	Solution
Door does not close or lock properly.	Misalignment, obstruction, or damaged lock mechanism.	Check for obstructions. Inspect hinges for damage or looseness. Ensure the cabinet is mounted level. If the lock is damaged, contact support.
Equipment does not fit in mounting bays.	Incorrect equipment size or orientation.	Verify equipment dimensions against cabinet specifications (e.g., 19-inch width, depth limits). Ensure equipment is oriented correctly for horizontal or vertical mounting.
Cabinet feels unstable after mounting.	Improper wall fasteners or insufficient wall support.	Ensure appropriate fasteners are used for the wall type and that they are securely tightened. Verify the wall structure can support the total weight. Consult a professional if unsure.
Overheating of internal equipment.	Poor airflow, blocked vents, or lack of active cooling.	Ensure cabinet vents are not blocked. Optimize cable routing to improve airflow. Consider installing optional fan kits if passive ventilation is insufficient.

7. SPECIFICATIONS

Feature	Detail
Model Number	RCC-2236
Construction Material	16-gauge certified U.S. steel

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Rail Material	11-gauge steel
Rack Space	2U horizontal (upper bay) + 2U vertical (lower bay)
Upper Bay Usable Depth	2 inches (for shallow panels)
Lower Bay Usable Depth	30.2 inches (for 19-inch vertical equipment)
Load Capacity	150 lbs
Overall Measurements (H x W x D)	36 H x 25.5 W x 5 D inches (Note: 30.2 D usable for lower bay)
Item Weight (Empty)	49 lbs
Finish	Network Grey powder epoxy
Compliance	EIA/TIA compliant, RoHS compliant
UPC	811405037634

8. WARRANTY INFORMATION

For specific warranty terms and conditions regarding your Lowell RCC-2236 cabinet, please refer to the official documentation provided with your purchase or visit the manufacturer's official website. Warranty coverage typically addresses defects in materials and workmanship under normal use.

9. CUSTOMER SUPPORT

If you require technical assistance, have questions about installation, or need to report an issue, please contact Lowell customer support. Contact information can typically be found on the manufacturer's website or in the documentation accompanying your product.

Manufacturer: Lowell

For the most current support resources, please visit www.lowellmfg.com (This is a general example link; please verify the actual support URL).