



# Semi-knocked down hinged wall-mount enclosure

**Models:** PCRWESKD06U55BK | PCRWESKD12U55BK  
PCRWESKD09U55BK | PCRWESKD15U55BK  
PCRWESKD18U55BK

Professional Series

## 1. Introduction

Thank you for purchasing the semi-knocked down (SKD) hinged wall mount enclosures from Nexxt Solutions. Each wall-mount unit is housed in a lockable heavy-gauge metal enclosure to keep cables safe and properly organized. Available with 6, 9, 12, 15 and 18 rack spaces, these units are designed for mounting multiple patch panels and other voice/data equipment where space is at a premium. Easy to install and assemble, our wall mount cabinets offer a cost-effective solution for applications requiring protection, accessibility and cable management capabilities.

## Main features

- 132lb maximum load capacity
- Top and bottom access to cables
- Independently locking front and rear section
- Standard square-punched mounting rails for faster component loading

For support and to find out more about our complete solution, we invite you to visit us at [nexxtsolutions.com](http://nexxtsolutions.com).

## 2. Preliminary steps

- Prior to installing this product, please read thoroughly the instructions contained in this guide.
- Keep these instructions handy in an easily accessible location for future reference.
- A clean, flat, level, protected floor area should be provided for cabinet assembly to prevent damage to parts.
- The installer will need to have the following items and tools available to assemble and install the cabinet. They are not included in the package.

1. Phillips screwdriver or power drill with the following bits
  - Phillips-head tip
  - 5mm allen tip
  - Hex to square socket adaptor
2. 5mm allen key
3. 13mm hex socket
4. Pair of gloves
5. Long nose plier
6. Cleaning towel
7. 3mx2m mat or padded surface



## 3. Package content

Upon opening the package, make sure all the items listed below are included:

Item	Qty
Front tempered glass door	1
Rear door	1
Top panel	1
Bottom panel/base	1
Front frame	1
Rear frame	1
Perforated mounting rail	4
Removable side panel	2
Side bar	4
Cable entry plate	4
Installation guide	1
Hardware and assembly kit	(see detail content below)


















## Hardware and assembly kit content

Item description	Dim.	Bag#	ID	Qty.	Application
Phillips-head screw	M5xL8	1	A	4 (6/9U) 6 (12/15/18U)	Rear door and hinges
Flange nut	M5	1	A	4 (6/9U) 6 (12/15/18U)	Rear door and hinges
Phillips-head self-tapping screw	M4xL8	1	B	8	Cable entry plates
Phillips-head screw	M6xL12	3	C	8	Mounting rail
Plastic washer	M6	3	C	8	Mounting rail
Cage nut	M6	3	C	8	Mounting rail
Allen-head screw	M8xL12	2	D	16	Frame, top cover and bottom panel
Flange nut	M8	2	D	16	Frame, top cover and bottom panel
Phillips-head screw	M6xL12	4	E	20	Installation screw sets for your devices
Plastic washer	M6	4	E	20	Installation screw sets for your devices
Cage nut	M6	4	E	20	Installation screw sets for your devices
Door hinge plate		1	D3	2 (6/9U) 3 (12/15/18U)	Rear door hinge fastener
Cam lock with key set		1	E1	2	For front and rear doors
Lock offset plate		1		1	Front door
Lock hook plate		1		1	Rear door
Allen key/ Hex wrench	M8	2		1	Main frame installation Top and bottom panels
Pigtail grounding cable	16 (AWG)	1		1	Grounding
Door pivot pin	M5	1		1	Front and rear doors
Flat metal washer	M5	1		3	Front door
Plastic stop plug				4	Front and rear doors

## 4. Fasteners

Description	Type	Quantity	Application
Phillips-head screws and flange nuts	M5xL10	4 or 6	Rear door and hinges
Phillips-head self-tapping screws	M4xL8	8	Cable entry plates
Phillips-head screws cage nuts and plastic washers	M6xL12	8	Perforated mounting rails
Allen-head screws and flange nuts	M8xL12	16	Frame, top cover and bottom panels
Phillips-head screws cage nuts and plastic washers	M6xL12	20	Installation screw set for your devices

## Components

A1		Top and bottom panels	D3		Door hinge plates
A2		Front and rear frames	E1		Cam locks
A3		Side bars	E2		Cable entry plates
B1		Perforated mounting rails			Allen key
C1		Side panel			Door pivot pins
D1		Rear door			Flat metal washers
D2		Front door			
D3		Green/yellow pigtail grounding cables	E12		Lock offset plate
E1.1		Lock hook plate	A3		Square fan covers

## 5. Installation procedure (recommended)













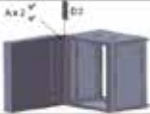














Image	Required parts	Assembly steps
		<ul style="list-style-type: none"> <li>The illustration provides an exploded view of all the enclosure components you are about to put together.</li> <li>Open the box and verify that all parts, hardware and accessories are included in the package.</li> <li>Inspect the cabinet components and identify each individual part to ensure proper assembly of the unit.</li> </ul>
	1 bottom panel	<ul style="list-style-type: none"> <li>Identify the bottom panel.</li> </ul>
	1 front support frame 1 rear support frame	<ul style="list-style-type: none"> <li>Now, identify the front and rear frames.</li> <li>Place the front and rear frames on the bottom panel.</li> <li>Make sure the rear frame is positioned closer to the cable entry plates with the hinged side facing outward.</li> <li>Proceed to position the front frame so as to ensure the lock opening is also facing outward.</li> </ul>
	2 side bars 8 M8xL12 allen-head screws 8 M8 flange nuts	<ul style="list-style-type: none"> <li>Identify the side bars.</li> <li>Position the side bars between the front and rear support frames by aligning the 4 extruded holes and tabs with the openings and rails on the bottom panel.</li> <li>Make sure to position the bars so that the curved section faces up and outward and the smooth side with the square holes faces inward.</li> <li>Insert the M8xL12 allen-head screws from the outside through the bottom panel, support frames and into the side bar holes.</li> <li>Thread a M8 flange nut onto each screw and tighten them to secure both bars against the frames.</li> </ul>
	1 top panel with 2 square fan covers	<ul style="list-style-type: none"> <li>Identify the top panel with 2 pre-installed fan covers.</li> <li>In case you later decide to mount optional fans, you will have to remove the square covers from the top panel.</li> </ul>
	2 side bars 8 M8xL12 allen-head screws 8 M8 flange nuts	<ul style="list-style-type: none"> <li>Next, identify the remaining side bars.</li> <li>Place and align the top panel over the front and back frames, as illustrated in this step. The section with the grille must be facing the front, and the cable entry plate should be facing the back.</li> <li>Position the side bars between the front and rear frames by aligning the tabs and the 4 extruded holes with the openings in the top panel.</li> <li>Make sure to position the bars so that the curved section faces up and outward, and the smooth side with the square holes faces inward.</li> <li>Insert the M8xL12 allen-head screws from the outside through the top panel, support frames and into the side bar holes.</li> <li>Thread a M8 flange nut onto each screw and tighten them to secure both bars against the frames.</li> </ul>

Image	Required parts	Assembly steps
	8 M6 cage nuts  4 perforated mounting rails	<ul style="list-style-type: none"> <li>On the already installed side bars, count up to the third square hole from the front and rear ends and insert one M6 cage nut with the tabs facing inward.</li> <li>Repeat this procedure until all 8 cage nuts are installed.</li> <li>Next, identify the 4 vertical perforated mounting rails.</li> </ul>
	8 M6xL12 phillips-head screws 8 M6 plastic washers 	<ul style="list-style-type: none"> <li>Position the perforated mounting rails so as to have from high to low the number of rack units stamped on each column.</li> <li>In addition, the row of numbers on each vertical rail must be facing each other, on the front and rear sections of the unit.</li> <li>Proceed to insert the M6xL12 phillips-head screws and plastic washers from the inside through the vertical mounting rails and into the cage nut installed in each side bar.</li> <li>Tighten all 8 nuts to secure the rails to the side bars.</li> </ul>
	2 side panels	<ul style="list-style-type: none"> <li>Next, identify the 2 side panels. Both are identical for this model.</li> <li>Place bottom section of each side panel over the outer edge of the cabinet base.</li> </ul>
		<ul style="list-style-type: none"> <li>Slide the plastic retaining latches on both sides of the panel to their unlock position.</li> <li>Push side panels against the support frames and release the plastic retaining latches so as to re-engage them to their locked position.</li> </ul> <p><b>Note:</b> should you require to secure both sides of the cabinet with a lock, each side panel features an opening to install an optional key lock. These extra locks must be provided by the user.</p>
	1 rear door	<ul style="list-style-type: none"> <li>Identify the rear door.</li> </ul>
	3 door hinge plates	<ul style="list-style-type: none"> <li>Identify the 3 hinge plates provided.</li> <li>Place the door hinge plates on the left side of the rear frame, making sure to match the screw holes on the plate with the ones found on the structure.</li> <li>Proceed to align the built-in rear door hinges with the corresponding plates positioned on the frame.</li> <li>Insert two M5xL10 phillips-head screws to fasten the rear door hinge and the plate to the rear frame. Use one screw in the top hole and another one in the bottom hole of the plate.</li> <li>Use the M5 flange nuts to secure the hinge assembly in place.</li> <li>Repeat this procedure to install all 3 door hinges.</li> </ul>
	1 cam lock with hook plate	<ul style="list-style-type: none"> <li>Identify the rear cam lock and key set.</li> <li>Start by unfastening the screw located on the back end of the lock. Take apart the metal washer, lock hook plate and nut. The white plastic washer around the lock is the only part that remains assembled.</li> </ul>
	1 set of keys	<ul style="list-style-type: none"> <li>Proceed to insert the cam lock with the plastic washer into the door opening from the outside. When doing so, make sure the lock is in its unlocked position.</li> <li>First, replace the nut you just removed to fasten the lock from the inside of the door.</li> <li>Continue to replace the lock hook plate, washer and the screw.</li> </ul>

continues..

Image	Required parts	Assembly steps
		<ul style="list-style-type: none"> <li>After making sure the lock hook plate is on its vertical (fully open) position, tighten the screw to secure the lock assembly in place.</li> <li>Use the keys to test the lock and verify that the latching mechanism is working properly.</li> </ul>
	1 front tempered glass door	<ul style="list-style-type: none"> <li>Identify the front tempered glass door and pivot pin.</li> </ul>
	1 door pivot pin  2 flat metal washers 	<ul style="list-style-type: none"> <li>Insert a flat metal washer in the short end of the door pivot pin.</li> <li>Then fit the pin into the hole found on the right side of the bottom panel.</li> <li>Put another washer on the exposed tip of the pin. Next, position the front glass tempered door and carefully lower it to engage the pivot pin below.</li> <li>Pull down the spring lock located on the upper right section of the door and release it into the hinge hole in the enclosure.</li> </ul>
	1 cam lock with offset plate  1 set of keys 	<ul style="list-style-type: none"> <li>Identify the front cam lock and key set.</li> <li>Start by unfastening the screw located on the back end of the lock. Take apart the metal washer, lock offset plate and nut. The white plastic washer around the lock is the only part that remains assembled.</li> <li>Proceed to insert the cam lock with the plastic washer into the door opening from the outside. When doing so, make sure the lock is in its unlocked position.</li> <li>First, replace the nut you just removed to fasten the lock from the inside of the door.</li> <li>Next, replace the lock offset plate, washer and the screw.</li> <li>After making sure the lock offset plate is on its vertical (fully open) position, tighten the screw to secure the lock assembly in place.</li> <li>Use the keys to test the lock and verify that the latching mechanism is working properly.</li> </ul>
	4 cable entry plates  8 M4xL8 phillips-head self-tapping screws 	<ul style="list-style-type: none"> <li>Identify the 4 cable entry plates.</li> <li>Place two cable entry plates on top of the upper access holes so as to cover them from the outside.</li> <li>Fix the plates from the outside of the enclosure using the supplied M4xL8 phillips-head self-tapping screws.</li> <li>Flip the unit over to attach the 2 remaining cable entry plates to the lower access holes located on the bottom side of the enclosure.</li> <li>Likewise, fix the plates from the outside using the supplied M4xL8 phillips-head self-tapping screws.</li> </ul>
	1 green/yellow pigtail	<ul style="list-style-type: none"> <li>Identify the green/yellow pigtail grounding cable.</li> <li>Locate the grounding copper studs on the lower section of the tempered glass door and on the right corner of the bottom panel.</li> <li>Unfasten the nut from each stud and remove one of the two copper washers.</li> <li>Connect one end of the pigtail grounding cable to the enclosure stud, and the other end, to the stud located on the tempered glass door.</li> <li>Replace the copper washer you just removed and screw the nut back to attach both ends of the pigtail.</li> <li>The enclosure assembly is now complete.</li> </ul> <p><b>Note:</b> in case extra ventilation is required inside the enclosure, fans can be installed to improve air flow. These optional fans are not provided in the kit, but can be purchased separately using part number AW22ONXTB2 (120VAC)</p>