



© 2003. All rights reserved.  
Black Box Corporation.

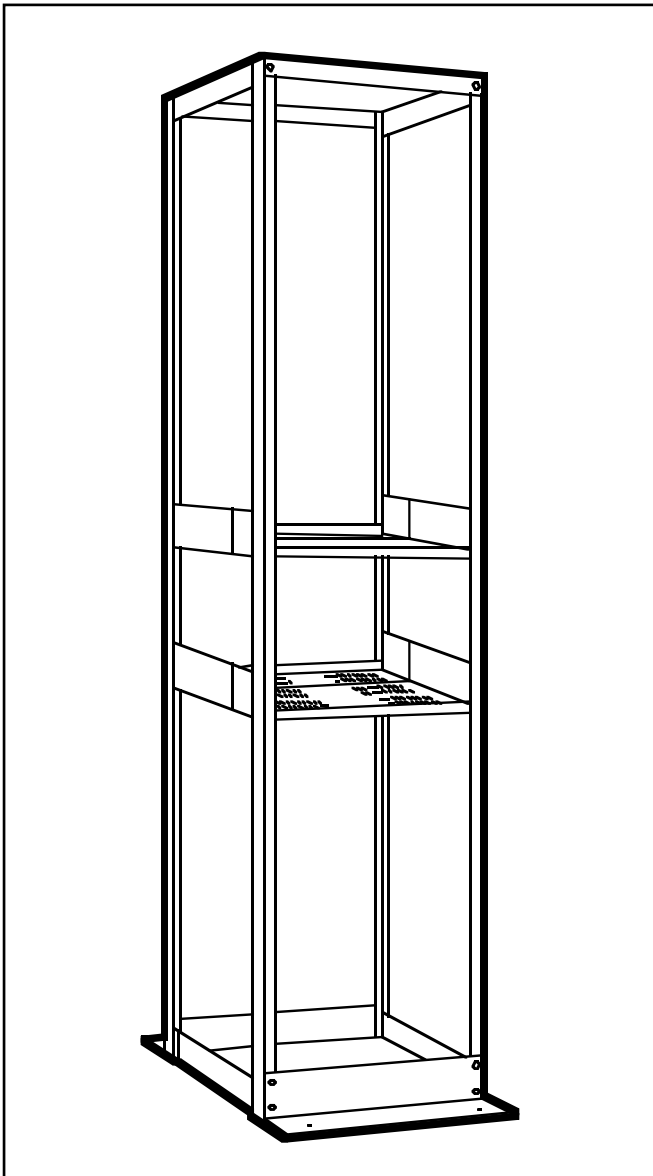
# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

Black Box Network Services • 464 Basingstoke Road • Reading, Berkshire, RG2 0BG • Tech Support: 0118 965 6000 • www.blackbox.co.uk • e-mail: techhelp@blackbox.co.uk

## FREEDOM RACK

*Free yourself from the space restrictions and high cost of using cabinets to hold your heavy equipment.*



### Key Features

- ▶ **Sturdy, durable rack holds 2400 pounds—and shelves hold 200 to 250 pounds!**
- ▶ **Adjustable from 21 to 26" or 27 to 32" deep.**
- ▶ **Mounts 19" equipment.**
- ▶ **Quick and easy assembly.**
- ▶ **Meets EIA-310-E standards.**
- ▶ **Standard 1/2" junctioning holes secure multiple-rack lineups.**

Stop spending big money for equipment cabinets. Instead, choose the heavy-duty Freedom Rack. It features adjustable shelves (ordered separately) that fit your equipment.

Constructed of 6061-T6 structural-grade aluminum, the rack is as sturdy as it is inexpensive. Top angles and a patented, reinforced base accommodate your heavy equipment.

This rack is self-supporting and self-squaring for guaranteed exact dimensions in custom installations. And assembly is a breeze! Three rack models are available.

The rack is adjustable from 21 to 26" or 27 to 32" in 1/2" increments. It features the universal mounting-hole pattern of 5/8", 5/8", 1/2". It also includes all the screws and hardware you'll need for installation.

For an exact fit with networking equipment, use Freedom Adjustable Shelves (RM445 and RM446 for the 26" rack or RM486-R3 and RM487-R3 for the 32" rack). These shelves adjust in the same 1/2" increments as the Freedom Rack, so they expand to fit your ever-changing system requirements. They attach to all four uprights for maximum stability. Both standard and vented versions are available.

The Adjustable, Vented, Pull-Out Shelf (RM447-R2 [26"] or RM488-R2 [32"]) features a sliding mechanism that allows it to glide forward and backward for equipment access. It also has an auto-lock function that responds when fully extended. Brackets secure the shelf to the rack when it is returned to its standard operating position.

*(continued on page 2)*



(continued from page 1)

To get the most value for your dollar, choose the Freedom Rack Kit (RM443-R3). It includes the RM440A-R2 Freedom Rack

and all of its components plus (1) Freedom Rack Adjustable, Solid Shelf (RM445) and (1) Freedom Rack Adjustable, Vented Shelf (RM446).

For added convenience, opt for the Keyboard Shelf with Mouse Tray (RM448). It's a stationary tray that provides solid support for your keyboard and mouse.

Another option is the 19" Sliding, Pivoting Keyboard Tray with Mouse Tray (RM385). It provides greater space-saving flexibility. When not in use, a sliding mechanism stores the mouse tray under the keyboard tray.

## What's Included

If you order a Freedom Rack (RM440A-R2, RM480A, RM485A, or RM490A), you'll receive:

- (4) Uprights, 7-ft. (2.1-m) or 8-ft. (2.4-m) tall 3" x 1½" channels, tapped 1½/24 or M6 threads (45 or 51 TIA rack spaces), black
- (2) Top angles, 20¼" x 1½" x 1½" angles, black
- (2) Self-support reinforced bases, black
- (4) Adjustable rack spacers, assembled, black
- (16) ¼" flat washers
- (16) ¼"-20 hex nut bolts, zinc plate
- (16) ¼"-20 x 5/8" carriage bolts
- (24) 1½/24" or M6 screws (for equipment installation)
- (16) 3/8"-16 x 3/4" hex-head bolts
- (16) 3/8" split lockwashers

If you order a Freedom Rack Adjustable, Vented, Pull-Out Shelf (RM447-R2 or RM488-R2), you'll receive:

- (1) Pull-out shelf/slide assembly
- (2) Stop brackets
- (4) #8-32 x ½ round-head screws
- (4) #8-32 nuts
- (4) #8 lockwashers
- (10) #1½/24 x 7/8 mounting screws, black

If you order these Freedom Rack Adjustable Shelves (RM445, RM446, RM486-R3, or RM487-R3), you'll receive:

- (4) Mounting brackets
- (2) #8-32 hex nuts
- (4) #8-32 x 3/8 screws
- (4) #8 flat washers

## Specifications

**Load Rating:** RM440A-R2, RM480A, RM485A, RM490A: 2400 lb. (1088.6 kg);  
 RM445, RM446, RM486-R3–RM487-R3: 200 lb. (90.7 kg);  
 RM447-R2, RM488-R2: 250 lb. (113.4 kg);  
 RM448: 15 lb. (6.8 kg)

**Size:** RM440A-R2: 84"H x 19"W x 21 to 26"D (213.4 x 48.3 x 53.3 to 66 cm) with 5/8", 5/8", 1/2" mounting-hole spacing;

RM480A, RM490: 84"H x 19"W x 27 to 32"D (213.4 x 48.3 x 68.6 to 81.3 cm) with 5/8", 5/8", 1/2" mounting-hole spacing;  
 RM485A: 96"H x 19"W x 27 to 32"D (243.8 x 48.3 x 68.6 to 81.3 cm) with 5/8", 5/8", 1/2" mounting-hole spacing;  
 RM445, RM446, RM447-R2: 21 to 26"D (53.3 to 66 cm);  
 RM486-R3, RM487-R3, RM488-R2: 27 to 32"D (68.6 to 81.3 cm);  
 RM448: 19" (48.3 cm)

## Ordering Information

ITEM	CODE
Freedom Rack with 12-24 Rails	
45U 213.4H x 53.3- 66D cm .....	RM440A-R2
45U 213.4H x 68.6-81.3D cm .....	RM480A
51U 243.8H x 68.6-81.3D cm .....	RM485A
Freedom Rack Adjustable Shelves	
53.3-66D cm	
....Solid .....	RM445
....Vented.....	RM446
....Vented, Pull-Out .....	RM447-R2
68.6-81.3D cm	
....Solid .....	RM486-R3
....Vented .....	RM487-R3
....Vented, Pull-Out .....	RM488-R2
Freedom Rack Kit.....	RM443-R3
* Includes Rack (RM440A-R2), (1) Solid Adjustable Shelf (RM445), and (1) Vented Adjustable Shelf (RM446)	
Keyboard Shelf with Mouse Tray.....	RM448
19" Sliding, Pivoting Keyboard Tray with Mouse Tray .....	RM385

