

SNAP-RCK-B2M Rack Adapter Installation

Introduction

SNAP PAC racks are designed to be used with SNAP PAC brains and rack-mounted controllers. However, if you have an older I/O processor that you need to use with a SNAP PAC rack, the SNAP-RCK-B2M rack adapter makes it possible. The adapter can also be used with SNAP M-series racks to accommodate processors that would normally be used on a B-series rack.

The adapter works with the following part numbers:

Install the adapter to use one of these processors...	...on one of these racks
SNAP-UP1-ADS SNAP-B3000-ENET SNAP-ENET-RTC B3000 B3000-B	SNAP-PAC-RCK4 SNAP-PAC-RCK8 SNAP-PAC-RCK12 SNAP-PAC-RCK16 SNAP-M16 SNAP-M32 SNAP-M48 SNAP-M64

Important Notes

Change in height: The adapter adds 0.595 inches (1.511 cm) to the overall height of the unit.

Change in connector location: After installation of the adapter, the brain or controller's position will be *reversed* on the rack (as well as being higher in relation to the rack), and letters on the lid will be upside down. Make sure that cables can still reach the connectors on the processor.

No new features: The adapter does not change the capabilities of the brain. For example, four-channel digital modules still cannot be used in module positions 8 and higher.

Installing the Adapter

Requirements

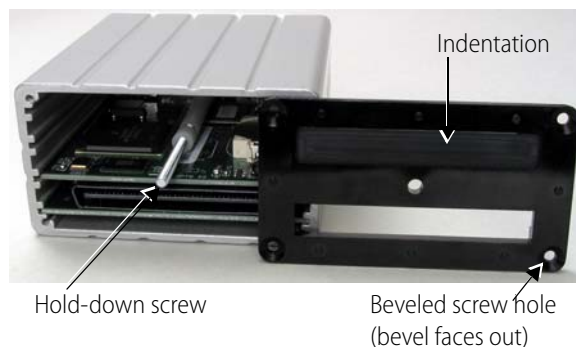
Part number SNAP-RCK-B2M includes the following pieces:

- Lock washer
- 6-32 hex standoff
- Replacement baseplate
- Adapter

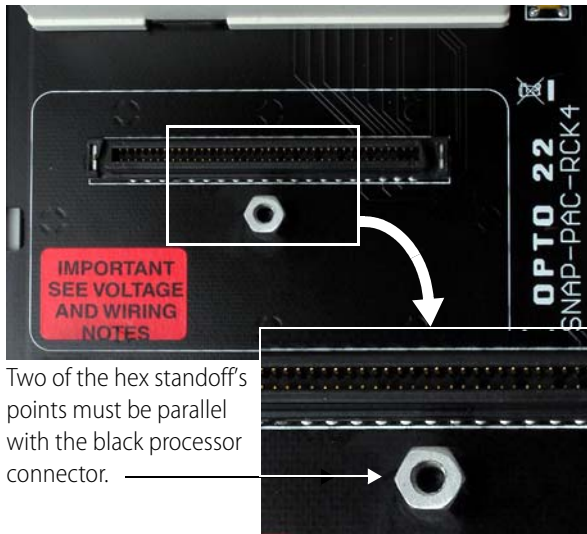
You will also need a medium-sized Phillips screwdriver to install the adapter.

Installation Steps

1. Remove all SNAP-RCK-B2M pieces from their packaging.
2. Turn off power to the rack.
3. If there is already a processor on the rack, disconnect any cables connected to it. Loosen the screw holding the processor on the rack and remove the processor. Set it aside.
4. Turn the replacement processor (brain or controller) upside down. Remove the four small screws holding the black baseplate on the processor, and remove the baseplate. Keep the screws.
5. Hold the replacement baseplate so that its indentation is facing away from the brain (see the following photo).



6. Align the brain's hold-down screw with the center hole in the replacement baseplate. Using the same four screws, attach the replacement baseplate to the new processor.
7. On the rack, set the lock washer over the hole next to the processor's connector, and then screw the 6-32 hex standoff into the hole. Tighten the standoff just to the position where two of the hex points are parallel with the connector, as shown in the photo on the following page.



Two of the hex standoff's points must be parallel with the black processor connector.

8. Holding the rack adapter with its part number visible on the top and the black connectors aligned underneath, set it in position on the rack. If it does not go on easily, make sure the hex nut's points are properly aligned, parallel with the processor connector.



9. Align the processor's blue connector with the mating connector on the rack adapter, and make sure the indentation in the baseplate aligns with the silver pins on the adapter.

The processor's position is now reversed on the rack (that is, letters on the processor's lid are upside down).

10. Seat the processor onto the connector and use the hold-down screw to secure the brain in position. Do not overtighten.
11. Replace cables and restore power to the rack.

If the replacement processor does not have an IP address, follow instructions in the PAC Manager User's Guide to assign it.

For Help

If you have trouble installing or using the rack adapter and cannot find the help you need in this document or on our website, contact Opto 22 Product Support:

Phone: 800-TEK-OPTO (800-835-6786 toll-free in the U.S. and Canada)
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Monday through Friday, 7 a.m. to 5 p.m.
Pacific Time

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