Quick Start RM Gen3

Step 1: Unpack All Contents

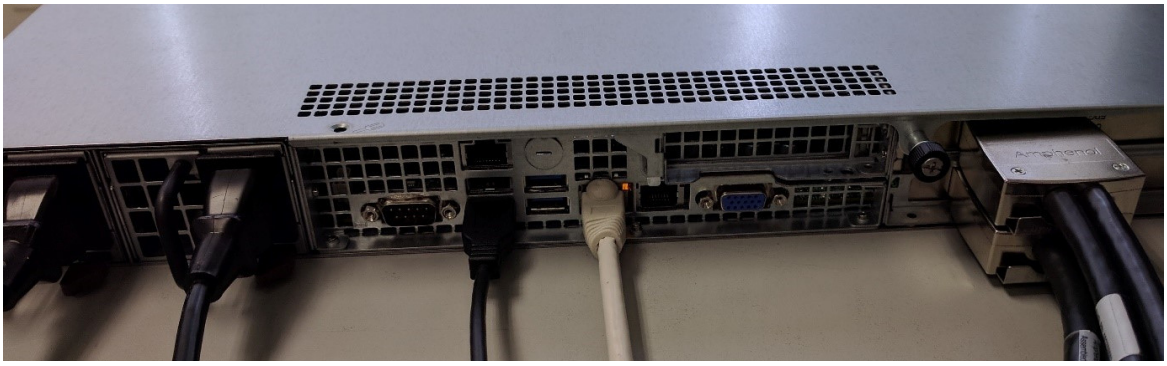
Unpack all contents from the shipping container. Make sure you have the following:

- PCIe adapter module(s)
- PCIe cable(s)
- Power cord
- USB cable
- SBExpress-RM NVMe SSD Drive Test System Enclosure

SBExpress-RM Dual Port NVMe Drive Test System

Step 2: Install the adapter(s) in the host system

Install the adapter(s) in your host system. **Note:** if you are using a SANBlaze host system, the adapters will already be installed for you. See figure below for a sample installation of a SANBlaze host system for Gen3.



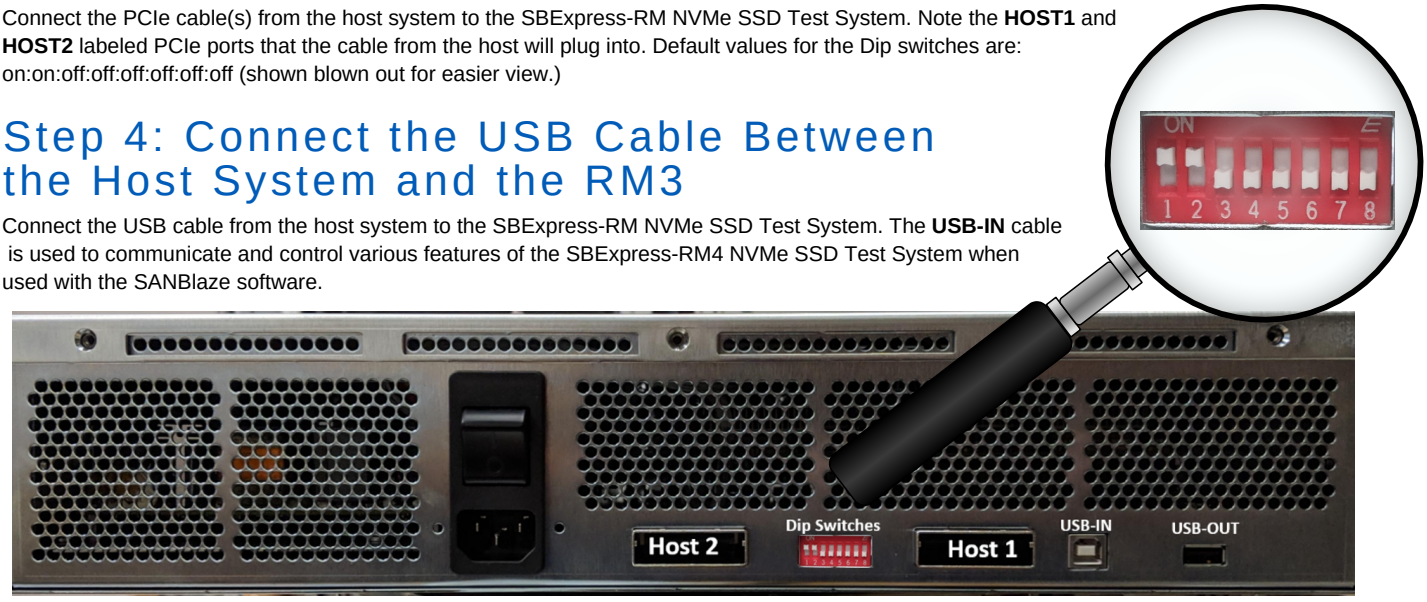
Gen3 Sample Adapters Installed on a SANBlaze VLUN Host System

Step 3: Connect PCI Cables Between the Host System and the SBExpress-RM

Connect the PCIe cable(s) from the host system to the SBExpress-RM NVMe SSD Test System. Note the **HOST1** and **HOST2** labeled PCIe ports that the cable from the host will plug into. Default values for the Dip switches are: on:on:off:off:off:off:off:off (shown blown out for easier view.)

Step 4: Connect the USB Cable Between the Host System and the RM3

Connect the USB cable from the host system to the SBExpress-RM NVMe SSD Test System. The **USB-IN** cable is used to communicate and control various features of the SBExpress-RM4 NVMe SSD Test System when used with the SANBlaze software.



Connect the Gen3 Host (see Step 2) to the SBExpress-RM NVMe Test System (shown here)

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p/n 400-000019

Quick Start RM

Data Sheet

Step 5: Connect the Power cord

The SBExpress-RM NVMe SSD Test System will power up when the host system powers up. The host system will handshake over the PCIe cable to turn on the power to the SBExpress-RM NVMe SSD Test System. Make sure the power switch on the SBExpress-RM NVMe SSD Test System is in the **ON** position prior to powering on the host system.

Step 6: Install Drives in Front

All drives are installed through the front panel. Up to sixteen single or dual port drives can be installed in the SBExpress-RM NVMe SSD Test System. See the LEDs section of the SBExpress-RM/RM4 User's Guide for the behavior of the NVMe drives and Rackmount system.

Step 7: Configure the SBExpress-RM

Configure the SANBlaze SBExpress-RM NVMe SSD Test System through a web browser or Telnet session using the Ethernet port (10/100/1000 auto sensing) on the front panel. The software uses the 'eth0' interface provided under Linux. Please connect to the **eth0** interface of your target machine. If the ports are not labeled, note that the left Ethernet port is **eth0** and the one to the right of it is **eth1** (see figure below). Alternatively, you can direct connect to the unit (see below.)

USB to RM unit **eth0**

Connect Using Ethernet

Connect Via a Web Browser

Use a Web Browser to connect to the SBExpress-RM system by typing in the IP address in the URL window using these parameters:

IP Address: **192.168.1.222**
Default Gateway: **192.168.1.1**
User Name: **system**
Password: **SANBlaze** (case-sensitive)

Or...Connect via Telnet

Enter the command: **Telnet 192.168.1.222**

Note: If your host is not in the VLUN's */etc/hosts* file, the system will take a few seconds to reply.

User Name: **vlun**
Password: **SANBlaze** (case-sensitive)

Upon successful log-in, use the **su** command for super user access.

su
Password: **SANBlaze**

Change the IP address

Once the VirtuaLUN system has been accessed, the IP address, system name, and gateway can be changed using the main web page.

Direct Connect w/ Monitor

Connect via the Command Line

In addition to the Ethernet based connectivity methods, the VirtuaLUN can be accessed via the command line using a monitor and keyboard connected to the product.

Once booted, the system will prompt for user name/password:
User Name: **vlun**
Password: **SANBlaze** (case-sensitive)
Upon successful log-in, issue the **su** command to get superuser access.

su
Password: **SANBlaze**

Change the IP address at the CLI

Run the network config script:

 # /virtualun/scripts/config_network.sh

The script will then prompt you for all the necessary network settings.

Step 8: Go to the SBExpress-RM User Guide

Once you have the system up and running, refer to the SBExpress-RM NVME SSD Test System *User's Guide* for information on LEDs, Fans, Dip Switches, Power Supply, running tests in the software, and configuration options for the system.

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