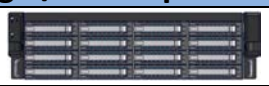
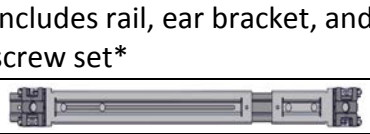
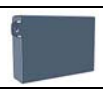
DSS212J Enclosure Quick Guide

Version 1.00 – 2014.08.29

Thank you for your purchase of DSS212J Dual-Expander JBOD unit!

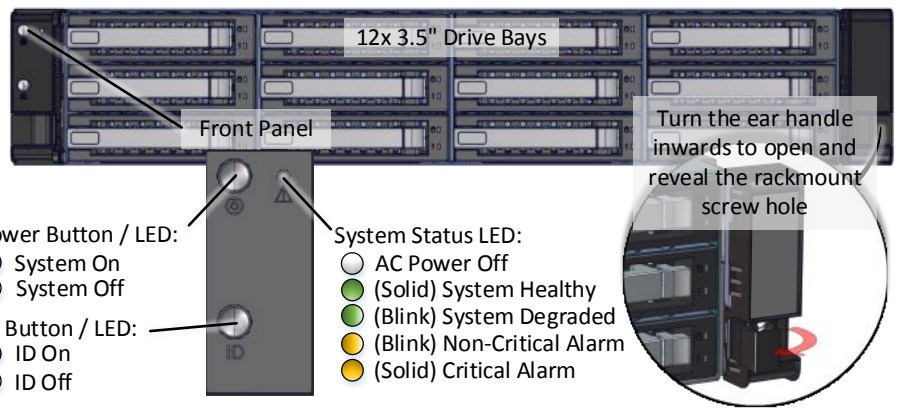
1. Check the content of the box. Please confirm that your package contains the following:

#	Description	Image / Description	Qty
1	2U 12-Bay JBOD Enclosure		1
2	3.5” Drive Trays		12
3	6-32 PH#1 Screw Set*	 for mounting drives	1 set
4	Power Cable*		2
5	Serial Cable*		1
6	Fix mount rail kit	Includes rail, ear bracket, and screw set*	1 set
7	Slide Rail Kit (opt.)		1 set
8	Bezel (optional)		1
9	Expander dummy cover*		1
10	External mini-SAS cables (optional)	SFF8088-8088 or SFF8087-8644 depending on host card	1 set
11	Anti-static bags*	For drive or drive tray	12
12	This Quick Guide		1
13	Packaging		1 set

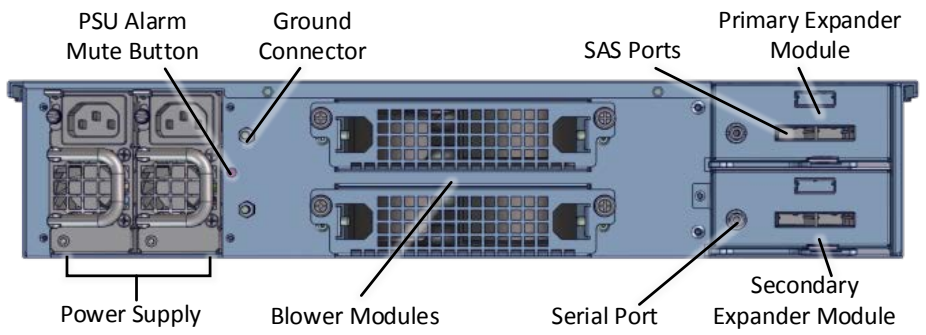
* Inside the accessories box. If any items are missing, please contact your authorized reseller or sales representative

2. Get familiar with the unit.

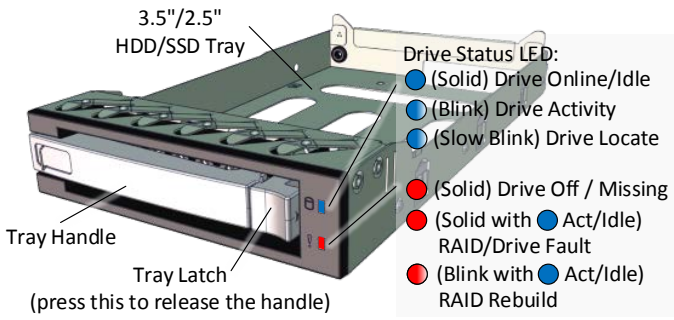
Front view of the unit



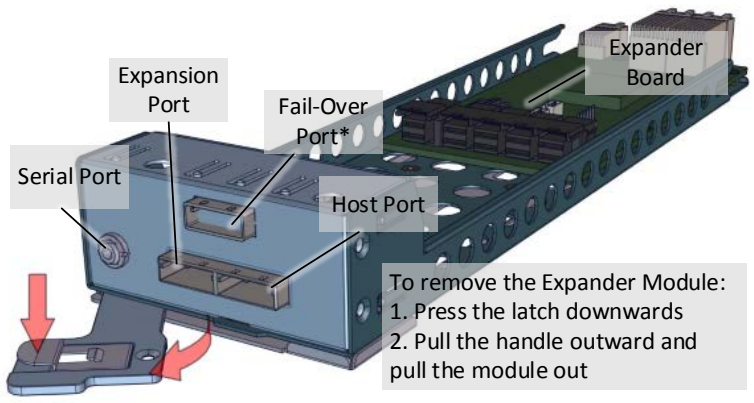
Rear view of the unit



3.5” Drive Tray



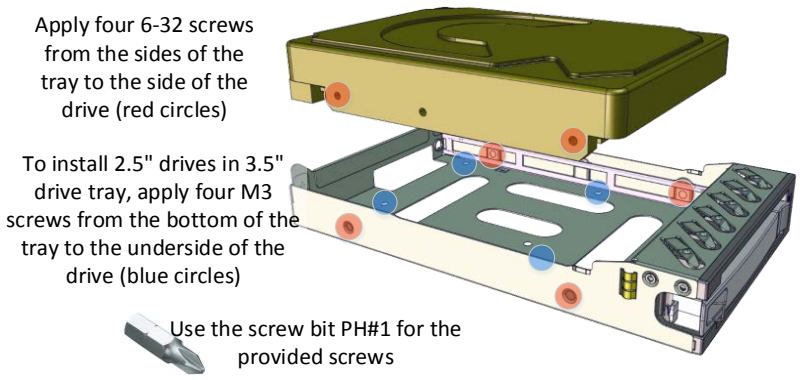
Expander Module



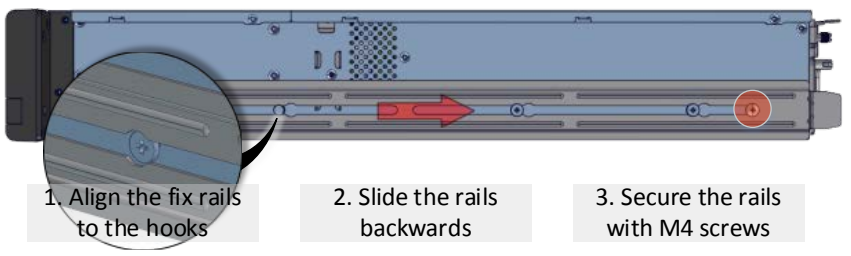
** The Fail-Over port is used for a system configuration with LSI Syncro CS redundant RAID controller cards (CS 9286-8e) in the host system.

4. Install drives into trays. Follow the diagram closely.

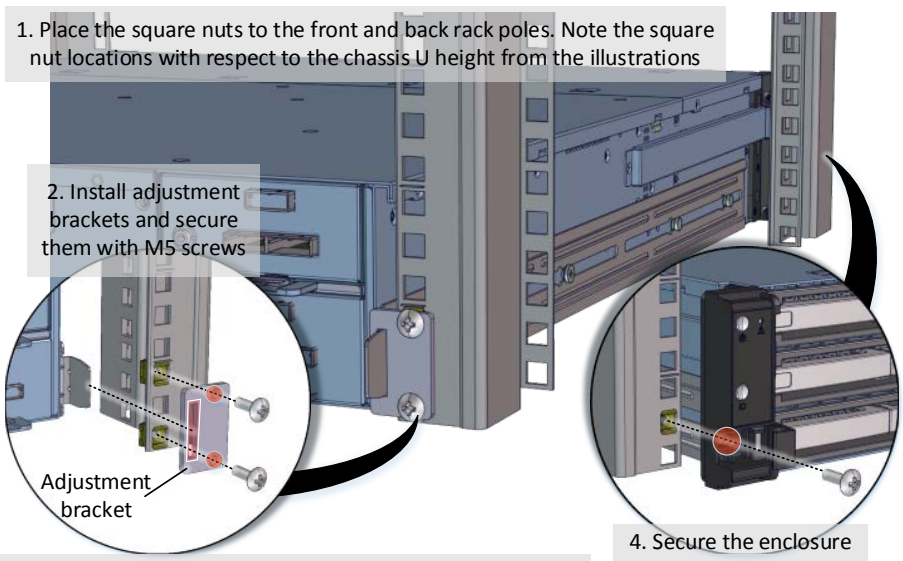
SAS drives are recommended to fully utilize the dual expander DSS212J. HDD sold separately.



5. Install the Fix Mount Rail. Follow the instruction below. A number of rail length is available for different rack depths.



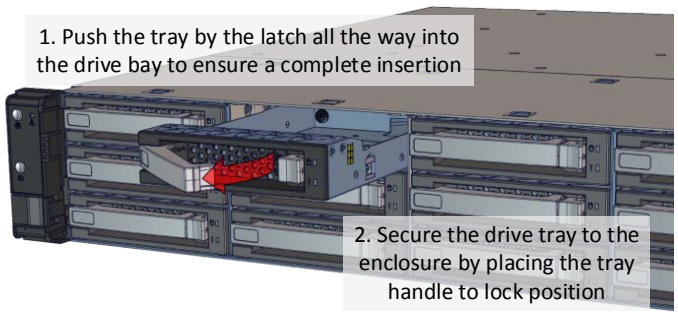
6. Place the unit to the rack. Follow the diagram below. **Caution:** At least two people are required to lift a fully populated chassis.



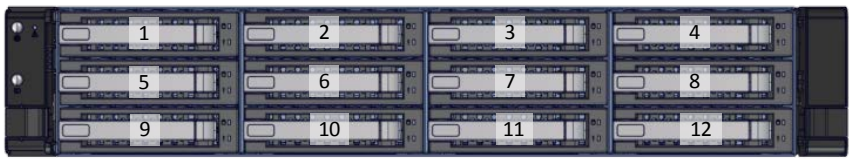
Installation and service of this product should be conducted by a trained personnel to avoid any bodily injury from electric shock or heavy object hazard

Observe ESD (Electrostatic Discharge) practices during integration to avoid possible damage to the board and / or other components

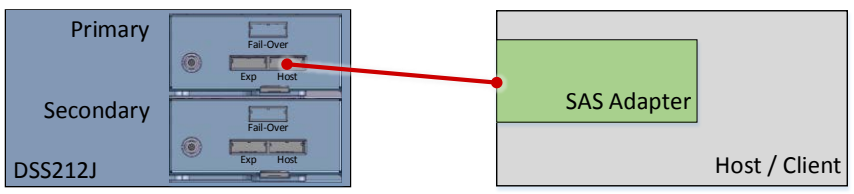
7. Install the populated drive trays into the enclosure with the drives properly secured.



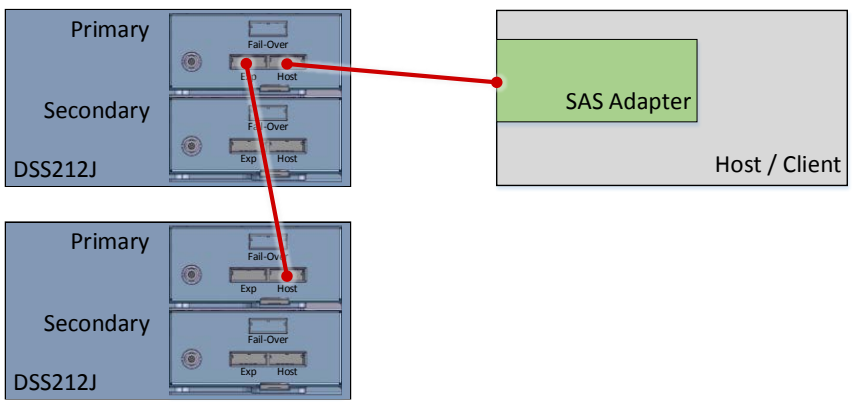
8. Drive Mapping of DSS212J is as follows:



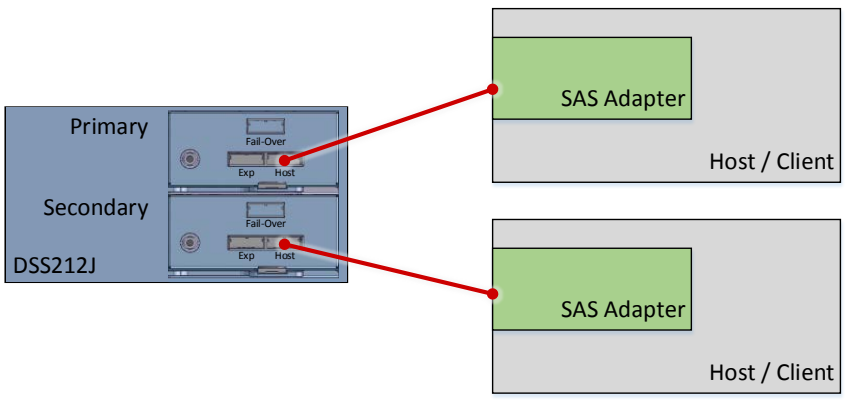
9. Plug in the mini-SAS cables to the SAS ports at the back of the unit. Refer to the system configurations below to decide on which port to use.



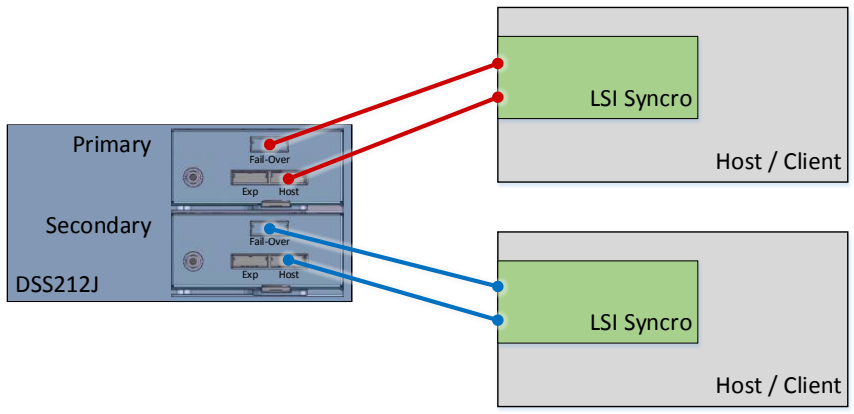
Single expander mode: SAS drives are not required, no high availability is possible with this configuration. The SAS HBA/RAID controller will see all 12 HDDs from DSS212J.
Connect SAS cable to Host Port of the Primary Module.



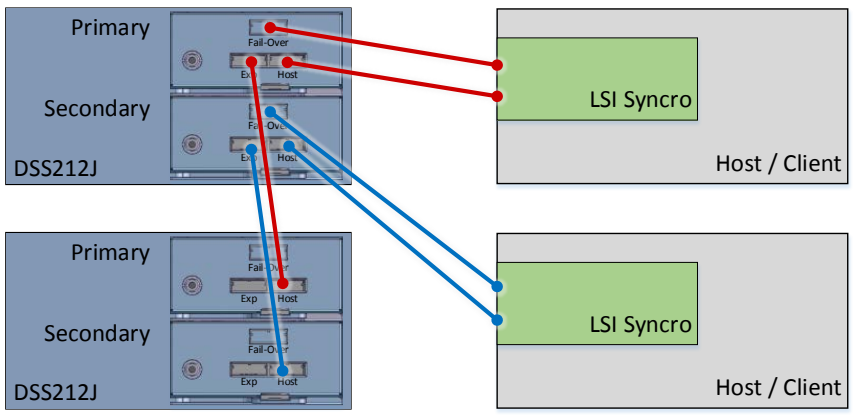
Daisy-chain mode: a single expander mode with expandable storage. The SAS HBA/RAID controller will see the collective HDDs from the daisy-chained DSS212Js.
Connect the Expander Port from the first unit to the Host Port of the second unit and so on.



Dual expander mode: SAS drives are required. Two hosts are able to connect to the unit storage through the dual port of the SAS drives. No shared storage. No high availability. Each host accesses a different set of drives.
Connect SAS cables to the Host Port of each expander.



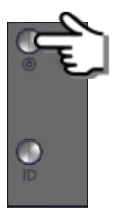
Syncro mode: SAS drives are required. Two servers with LSI Syncro CS redundant RAID controller (CS 9286-8e) are required for this configuration. The storage is shared between two servers providing high availability.
Communication between two Syncro CS redundant RAID controller cards is achieved through the Fail-Over ports.
Connect SAS cables to the Host Port and Fail-Over port of each expander.



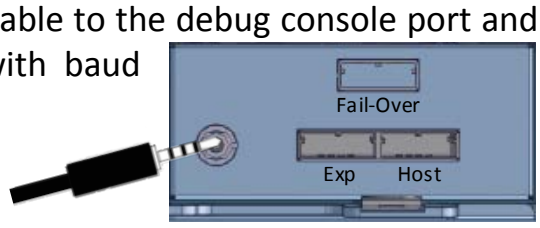
Syncro mode daisy-chained: A Syncro mode with expanded storage. Connect the Expander Port from the first unit to the Host Port of the second unit and so on.

10. Plug in the power cords to the AC receptacles on the back of the unit and secure it with the wire lock.

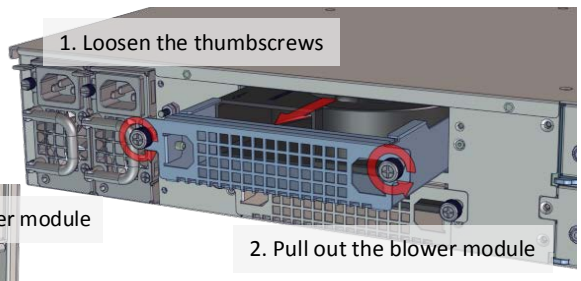
11. Press the power button on the front of the unit after connecting a monitor and input devices, and get ready for software installation.

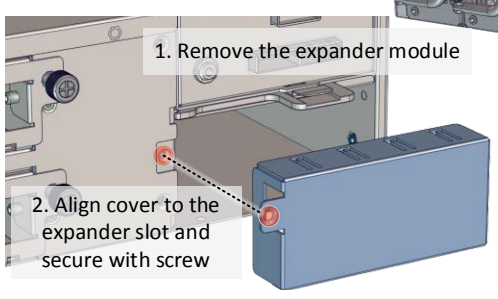


Access the Serial Console (when necessary) by connecting a serial audio cable to the debug console port and use a terminal console with baud rate 38400, 8, N, 1, N.
Once there, type “help –a” for the list of commands.



To remove **Blower Module** follow the diagram on the right →





← The following illustration explains how to install an **Expander Cover**

For software guide, please refer to the respective adapter’s Software Guide
For more information please visit our website at www.echostreams.com