Install Memory Modules

Optional Synology memory modules are designed to expand the memory of your Synology NAS. Follow the steps below to install, check, or remove a memory module on your Synology NAS.
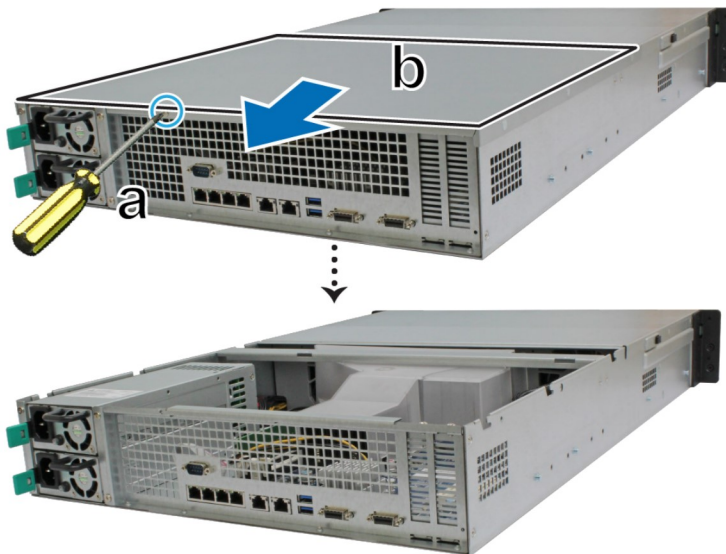
The following table shows the memory configuration for best practice:

A0	A1	B0	B1	Total Memory
8 GB	-	-	-	8 GB
8 GB	-	8 GB	-	16 GB
8 GB	8 GB	8 GB	-	24 GB
8 GB	8 GB	8 GB	8 GB	32 GB
16 GB	-	-	-	16 GB
16 GB	-	16 GB	-	32 GB
16 GB	16 GB	16 GB	-	48 GB
16 GB	16 GB	16 GB	16 GB	64 GB

Note: It is required to use identical memory modules of the same capacity and frequency.

To install the RAM module

1 Shut down your RS3621xs+. Disconnect all cables connected to your RS3621xs+ to prevent any possible damage.

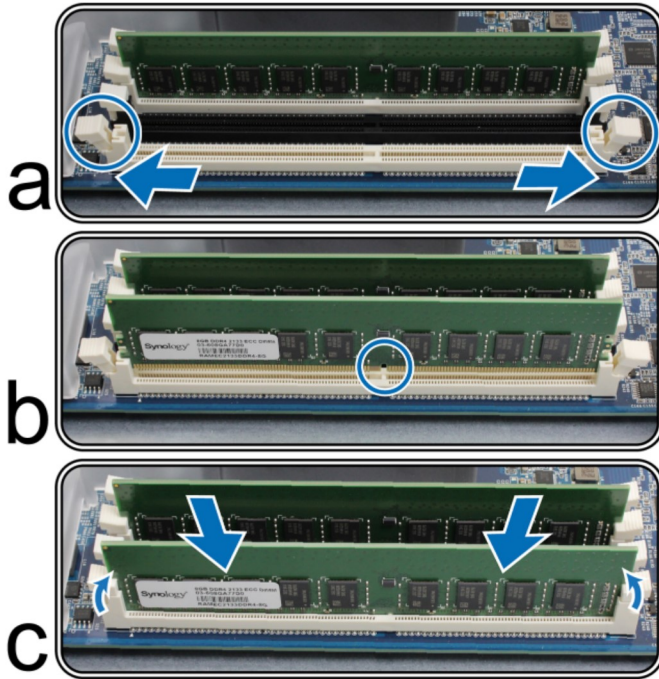2 Remove the screw on the back of you RS3621xs+. Slide open the rear top cover, then lift it up and put it aside.

Note: When you remove the rear top cover, sensitive internal components are exposed. Avoid touching anything other than the memory assembly when removing or adding memory.

3 The memory slots are labeled as below.

4 Insert the new memory module in the slot:

 a Push the retaining clips on the slot out to the sides.

 b Align the notch on the gold edge of the module with the notch in the memory slot.

 c Apply firm and even pressure to push down the memory module. The retaining clips will snap into position when the module is inserted correctly.

> **Note:** Hold the memory module by its edges and avoid touching the gold connectors.

5 Place the rear top cover back and slide it into secure position:

 a Align the hexagons at the side of the rear top cover with the slots on the chassis' edge, place it back and push it to slide it back into position.

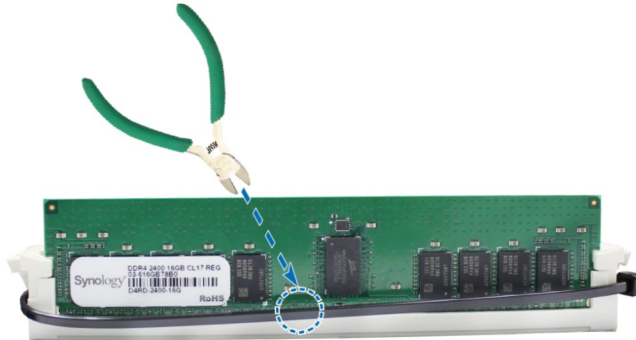 **b** Put back and fasten the screw you removed in step 2.

To confirm that your RS3621xs+ recognizes the new memory capacity

1 Install DiskStation Manager (DSM). Please see "**Install DSM on Synology NAS**" for more information.

2 Sign in to DSM as **admin** or a user belonging to the **administrators** group.

3 Go to **Control Panel** > **Info Center** and check **Total Physical Memory**.

If your Synology NAS does not recognize the memory or does not start up successfully, please make sure that the memory module is installed correctly.

To remove the RAM Module

1 Follow step 1 and 2 of the "**To install the RAM module**" section to shut down your RS3621xs+, disconnect the cables, and then remove the rear top cover as described above.

2 Cut the cable tie before removing the memory module. (The pre-installed memory module is cable-tied to prevent it from loosening during delivery.)

> **Note:** Avoid touching any components on the motherboard when cutting the cable tie.

3 Push the retaining clips on the slot out to the sides. The memory module will pop out of the slot.

4 Follow step 5 of the "**To install the RAM module**" section to fasted the top cover back in place.