

Installing Hard Drives

Your Luma recorder comes with a hard drive already installed, but you can add additional hard drives (and/or replace the existing one) to expand your recording capability.

Since these drives run 24/7, we recommend using hard drives that are rated for surveillance, like Western Digital’s Purple drives, which we sell on our website as a convenience to our valued installers.

Warning! Do not use a powered screwdriver when installing or removing a hard drive. Doing so may result in damage to the equipment, which is not covered by your warranty.

Warning! Use a grounded anti-static mat and wrist band to ground yourself before servicing the recorder. Failure to ground yourself may result in damage to the equipment, which is not covered by your warranty.

Recorder Capacity

Model	HDD Included	Additional Bays	Size Limit	Max. Storage
LUM-500-DVR-4CH	1TB	0 Additional	4TB per bay	4TB
LUM-500-DVR-8CH	1TB	3 Additional	4TB per bay	16TB
LUM-500-DVR-16CH	2TB	3 Additional	4TB per bay	16TB
LUM-500-NVR-4CH	1TB	1 Additional	4TB per bay	8TB
LUM-500-NVR-8CH	1TB	3 Additional	4TB per bay	16TB
LUM-500-NVR-16CH	2TB	3 Additional	4TB per bay	16TB

8-channel and 16-channel recorders also have an eSATA port on the back that can attach an additional hard drive.

Important Note

We recommend installing the drives before powering the recorder up for the first time. If a hard drive has been initialized in the recorder, you should not change its SATA port. Once a hard drive has been initialized in a given port (this includes the hard drive that comes with the unit), the recorder remembers that hard drive’s location. If the hard drive cabling is swapped this will cause errors, even if you re-initialize the hard drive in its new location.

Prepare the Recorder

In the local interface, click on the Settings icon , then choose Shutdown > Shutdown. The unit powers down.

Turn the power switch (located on the back of the unit) to the off position. Unplug the power cord from the rear of the unit.

If necessary, disconnect all cabling and remove the recorder from the rack.

Warning! Moving the recorder while it is powered can damage the hard drive.

Remove the Cover

Remove the two small black screws located along the top of the rear panel of the recorder. (Do not remove the larger silver screws around the fan.)



Using the thumb notch on the top of the unit, gently slide the cover about an inch to the rear of the unit, then lift it up. Once it is off, set the lid aside in a safe place where it won't get scratched.

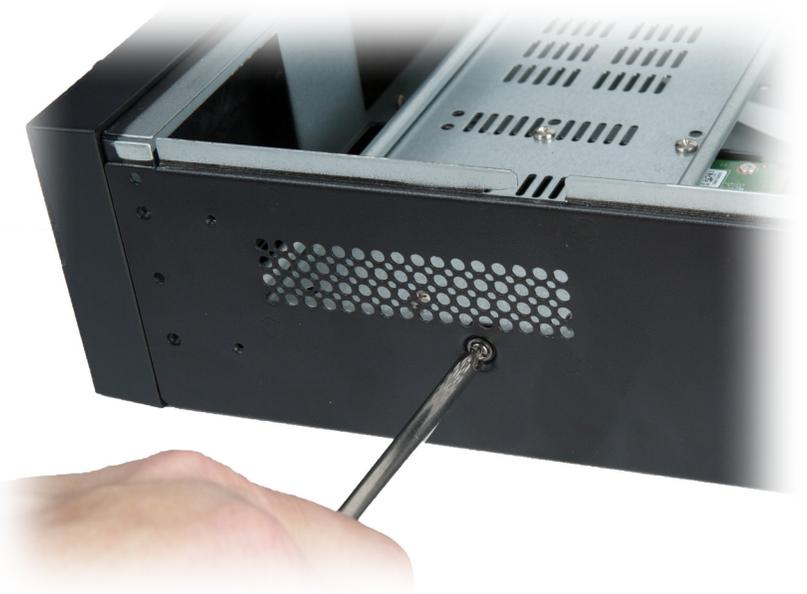


Toward the front of recorder is the mounting bar, a ventilated strip of metal. One hard drive is already installed. Disconnect the SATA and power cables from that hard drive.



Remove the Mounting Bar

Remove the two black screws that hold the mounting bar in place. They are on the exterior of the unit, one at each side of the recorder.

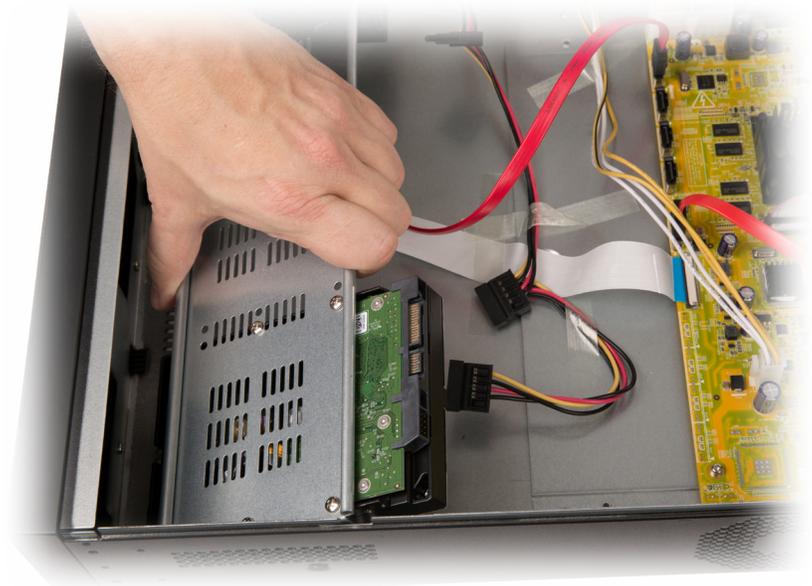


Remove the mounting bar by lifting the rear side, then pulling the entire bar away from the front of the recorder.

Detach the power cable from the mounting bar by removing the strap that keeps them in place.

Optional: Remove the Hard Drive

If you are replacing the drive that came with the unit, remove the four silver screws that attach it to the mounting bar.



Install the New Hard Drives

Lay the new hard drives to be installed side by side on a flat surface with the power and SATA ports facing the same direction and the circuit board on top.

Place the mounting bar on top of the drives, orienting it so the new drives face the same direction as the pre-installed drive.

If you removed the old hard drive, look at the side of the mounting bar. The groove that points down should be at the end with the power and data ports, toward the rear of the recorder.



Line up the holes in the mounting bar over the drives, then use four of the screws supplied with the recorder to secure each drive in place.

You may wish to use a permanent marker to number each of the drive bays in case you replace a hard drive at a later date.



Reinsert the Mounting Bar

Replace the mounting bar with the drives in the recorder. First insert the front of the mounting bar by angling it downward and sliding over the notches in the support pegs, then set the rear end of the bar down.

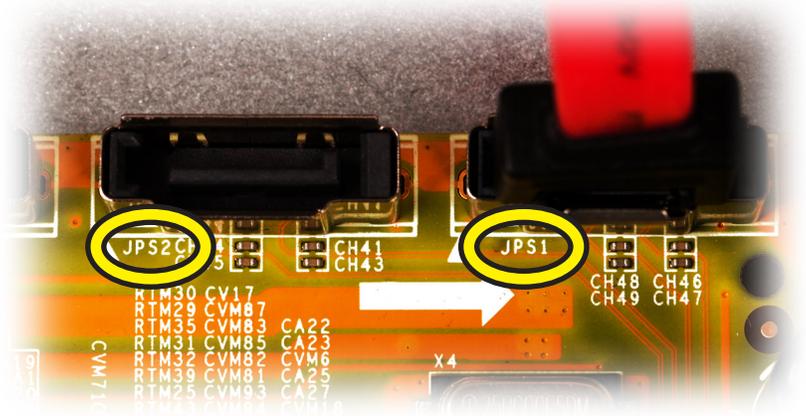
Re-install the screws on the outside left and right of the case to lock the mounting bar in place.

Connect the Drives

Using the extra SATA cables provided with the recorder, connect each hard drive to the mother board.

Be sure to connect them in the correct order. Looking at the recorder from the front of the unit, the SATA ports are numbered 1–4 from left to right. Looking closely at the board, you can actually read the numbers beside each port after the letters *JPS*.

Once the SATA cables are connected, attach the power cable to each hard drive. Unlike the SATA cables, the power cable jumpers have no fixed order.



Format the Drives

Remember to format your new hard drive once the recorder has been powered up.

You're good to go!

Optional Fast-Install Approach

If you are only inserting one additional drive and are working with a larger recorder case, you might be able to install the new hard drive(s) without removing the mounting bar.

Carefully slide the drive into the bay. Hold it steady while inserting the screws that secure it in place.

