

LACIE 5BIG THUNDERBOLT 2: ADVANCED STORAGE TECHNOLOGY

THUNDERBOLT 2 TECHNOLOGY

The LaCie 5big Thunderbolt 2 uses Thunderbolt 2 technology, the fastest, most versatile connection for your computer. While first generation Thunderbolt technology transfer rates are 10Gb/s bi-directional, Thunderbolt 2 technology provides 20Gb/s bi-directional. Additionally, Thunderbolt 2 technology gives priority to the video stream, apportioning the required bandwidth for playback. This is a critical advantage when working with high-end video and 3D graphics.

For example, a film editor is working with two streams, 4K video at 12Gb/s and data at 4Gb/s. Whereas first generation Thunderbolt technology may experience difficulty with the video signal, Thunderbolt 2 technology allows it to pass without a problem, dividing the bandwidth as needed for playback.

Important cable info: When connecting your Thunderbolt 2 enclosure to a computer or compatible devices, use cables specifically constructed to support Thunderbolt technology.

Important info: A Thunderbolt enclosure must be connected to a computer that supports Thunderbolt technology. While the ports on the back of the device can easily seat Mini DisplayPort cable ends for daisy chaining displays, the Thunderbolt storage will only work when connected to a computer that supports Thunderbolt technology.

LaCie 5big Thunderbolt 2 technology: hardware RAID for protection and performance

Featuring hardware RAID, the LaCie 5big is a rarity in the world of high-end DAS. While most DAS must choose between high transfer rates or data protection, the LaCie 5big offers both extraordinary performance and built-in protection. Its powerful RAID engine saves your computer from expending critical processing resources on storage management, which is crucial for video and graphics applications that place heavy demands on computer CPUs. Further, hardware RAID solutions offer advanced RAID configurations to suit the needs of your working environment (see [RAID](#)).

The LaCie 5big Thunderbolt 2 features:

- Desktop convenience
- Aluminum front and all-metal enclosure
- A RAID-on-Chip (RoC) processor to manage the RAID
- Hardware RAIDs 0, 1, 10, 5, 5+Spare, 6, 6+Spare, and JBOD
- Five SATA channels, up to 6Gb/s per channel
- Two Thunderbolt 2 technology ports, up to 20Gb/s bi-directional per port
- Hot-swappable hard drives to reduce downtime
- A warning system with physical and email alerts
- Intelligent RAID rebuild with a spare drive