

OPERATING INSTRUCTIONS – EMTEC INTERNAL SSD SATA (for all models)

1. Checking

For use in a computer:

- **SSD Compatibility:** Ensure that your SSD is compatible with your motherboard. Refer to your computer's manual to confirm the available SATA ports (2.5 or M.2). Note that SATA M.2 SSDs cannot operate on an M.2 connector that is PCIe-only.

- **Cable Condition:** For 2.5 SSDs, make sure the SATA cables provided with the computer are in good condition.

For use in an external USB enclosure:

- **Connector Compatibility:** Ensure that your SSD is compatible with the connector on the SSD/USB card. Refer to your enclosure's manual to confirm the available SATA ports (2.5 or M.2). Again, SATA M.2 SSDs do not work on an M.2 connector that is PCIe-only.

- **Power Supply:** Ensure that your enclosure does not require an external power supply. Consult your external USB enclosure manual before powering on the SATA SSD.

- **Optimal Performance:** To ensure optimal performance of your SATA SSD, make sure that your USB enclosure is connected to a USB 3.2 or USB4 port.

2. Usage

Installation

Carefully read the manuals for your operating system and computer. If you are not comfortable with computer tools, it is advisable to seek professional assistance.

Before starting the installation, make sure the computer is completely turned off and unplugged from the power outlet.

Electrostatic Prevention:

- **Use an anti-static wristband:**

Wear an anti-static wristband connected to a metal surface to avoid the buildup of static electricity.

- **Work on an anti-static surface:**

Install your SSD on a clean and anti-static surface (anti-static mat or pad).

SATA 2.5 : Connect the SSD to a free SATA port on your motherboard and secure it with screws if necessary.

SATA M.2 : Insert the SSD into the M.2 slot at a 30-degree angle, then secure it with a screw.

SATA SSDs are not pre-initialized and formatted (they are not visible in file managers or Finder). To initialize and format the SSD, access the disk management tool of your operating system. Format the SSD in the desired format (NTFS, exFAT, etc.).

You can also install a bootable operating system on the SATA SSD from an EMTEC USB stick:

1) **Windows :** From the Microsoft website, you can download Windows (ISO file) and its utility to start the installation from a USB stick.

2) **Linux :** Download the ISO file of your Linux distribution (Ubuntu, Fedora, Mint, etc.).

Then, download a utility to load your ISO file onto a bootable USB stick. Examples of utilities: Rufus, Lili USB Creator, Ventoy (multiboot). Finally, boot your PC from the USB stick to install your Linux distribution.

File Transfer

- Open File Explorer (Windows) or Finder (macOS).

- Locate your SSD in the list of devices.

- Drag and drop the files you want to transfer to or from the SSD.

Make sure the transfer is complete before disconnecting the SSD from the USB port (in the case of the SSD in a USB enclosure).

Safe Ejection for USB/SATA Enclosures

It is important to eject the USB enclosure before disconnecting it to avoid data corruption:

- Windows : Right-click on the USB drive icon in File Explorer and select "Eject."
- macOS : Click on the USB drive icon in Finder and select "Eject."

Memory Capacity

The actual usable memory space on this device is less than what is indicated on the packaging. This is due to the different algorithms used by operating systems to calculate available space.

Additionally, a small portion of the memory space is reserved for file systems and buffers to ensure performance stability. 1 GB = 1,000,000,000 bytes.

3. Maintenance and Storage

- Protect your SSD from physical shock, electrostatic discharge, and moisture.
- Do not expose it to extreme temperatures.
Temperature: Operating -25°C to 85°C / Storage -25°C to 85°C
- Store it in a dry and clean place.

For more information, you can consult our product sheets and FAQs on our website:

<https://www.emtec-international.com>

4. Troubleshooting





- SSD not recognized in Disk Manager:
Check the connections, try another SATA or M.2 port, and restart your computer.
- Slow file transfer:
When used in an external USB enclosure, ensure that your SSD is connected to a USB 3.2 or USB4 port.
In any case, make sure that TRIM is enabled and that the SSD is not too full.

IMPORTANT: Memory Buffer

If you use the storage device intensively with large amounts of data (several GB), you may overload the memory buffer, causing a temporary slowdown. To restore normal operation, leave the device connected for a few moments without writing data.

- Corrupted files:
If you have corrupted files, try recovering them with data recovery software, then format the SSD.
- Use tools like CrystalDiskInfo to analyze the status of the SSD.

MANUFACTURER DECLARATIONS

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