EMTEC

OPERATING INSTRUCTIONS – EMTEC INTERNAL SSD PCIE (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 PCIE M.2 ports. Note that PCIE M.2 SSDs cannot operate on an M.2 connector that is SATA-only.

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 PCIE M.2 ports. Again, PCIE M.2 SSDs do not work on an M.2 connector that is SATA-only.

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

- **Optimal Performance:** To ensure optimal performance of your PCIE SSD, make sure that your USB enclosure is connected to a USB 3.2 Gen2 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).

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

PCIE 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 PCIE 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).

<u>**Safe Ejection for USB/PCIE Enclosures**</u>
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."

<u>**Memory Capacity**</u>
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 PCIE 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 Gen2 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

USA	**FCC Statements** This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: -Reorient or relocate the receiving antenna. -Increase the separation between the equipment and receiver. -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. -Consult the dealer or an experienced radio/TV technician for help
Canada	**ICES-003** This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicable aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
Autrallia New Zealand	**RCM** Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage.You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure
Europe	CE / RoHS / REACH